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The Institution of Mechanical Engineers.

ESTABLISHED 1847.

LIST OF MEMBERS.

1ST MARCH 1907.

ARTICLES AND BY-LAWS.

The Institution of Mechanical Engineers.

ESTABLISHED 1847.

LIST OF MEMBERS, &c.

1st MARCH 1907.

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2 The Institution of Mechanical Engineers.

PAST-PRESIDENTS.

GEORGE STEPHENSON, 1847-48. (*Deceased* 1848.)

ROBERT STEPHENSON, F.R.S., 1849-53. (*Deceased* 1859.)

SIR WILLIAM FAIRBAIRN, BART., LL.D., F.R.S., 1854-55. (*Deceased* 1874.)

SIR JOSEPH WHITWORTH, BART., D.C.L., LL.D., F.R.S., 1856-57, 1866. (*Deceased* 1887.)

JOHN PENN, F.R.S., 1858-59, 1867-68. (*Deceased* 1878.)

JAMES KENNEDY, 1860. (*Deceased* 1886.)

THE RIGHT HON. LORD ARMSTRONG, C.B., D.C.L., LL.D., F.R.S., 1861-62, 1869. (*Deceased* 1900.)

ROBERT NAPIER, 1863-65. (*Deceased* 1876.)

JOHN RAMSBOTTOM, 1870-71. (*Deceased* 1897.)

SIR WILLIAM SIEMENS, D.C.L., LL.D., F.R.S., 1872-73. (*Deceased* 1883.)

SIR FREDERICK J. BRAMWELL, BART., D.C.L., LL.D., F.R.S., 1874-75. (*Deceased* 1903.)

THOMAS HAWKSLEY, F.R.S., 1876-77. (*Deceased* 1893.)

JOHN ROBINSON, 1878-79. (*Deceased* 1902.)

EDWARD A. COWPER, 1880-81. (*Deceased* 1893.)

PERCY G. B. WESTMACOTT, 1882-83.

SIR LOWTHIAN BELL, BART., LL.D., F.R.S., 1884. (*Deceased* 1904.)

JEREMIAH HEAD, 1885-86. (*Deceased* 1899.)

SIR EDWARD H. CARBUTT, BART., 1887-88. (*Deceased* 1905.)

CHARLES COCHRANE, 1889. (*Deceased* 1898.)

JOSEPH TOMLINSON, 1890-91. (*Deceased* 1894.)

SIR WILLIAM ANDERSON, K.C.B., D.C.L., F.R.S., 1892-93. (*Deceased* 1898.)

SIR ALEXANDER B. W. KENNEDY, LL.D., F.R.S., 1894-95.

E. WINDSOR RICHARDS, 1896-97.

SAMUEL WAITE JOHNSON, 1898.

SIR WILLIAM H. WHITE, K.C.B., LL.D., D.Sc., F.R.S., 1899-1900.

WILLIAM H. MAW, 1901-02.

J. HARTLEY WICKSTEED, 1903-04.

EDWARD P. MARTIN, 1905-06.

The Institution of Mechanical Engineers.

3

OFFICERS.

1907.

PRESIDENT.

T. HURRY RICHES, Cardiff.

PAST-PRESIDENTS.

SAMUEL WAITE JOHNSON,	Nottingham.
SIR ALEXANDER B. W. KENNEDY, LL.D., F.R.S.,	London.
EDWARD P. MARTIN,	Abergavenny.
WILLIAM H. MAW,	London.
E. WINDSOR RICHARDS,	Caerleon.
PERCY G. B. WESTMACOTT,	Ascot.
SIR WILLIAM H. WHITE, K.C.B., LL.D., D.Sc., F.R.S.,	London.
J. HARTLEY WICKSTEED,	Leeds.

VICE-PRESIDENTS.

JOHN A. F. ASPINALL,	Manchester.
HENRY CHAPMAN,	London.
EDWARD B. ELLINGTON,	London.
AETHUB KEEN,	Birmingham.
SIR WILLIAM T. LEWIS, BART.,	Aberdare.
A. TANNETT-WALKER,	Leeds.

MEMBERS OF COUNCIL.

WILLIAM H. ALLEN,	Bedford.
SIR BENJAMIN BAKER, K.C.B., K.C.M.G., LL.D., D.Sc., F.R.S.,	London.
ARCHIBALD BARR, D.Sc.,	Glasgow.
SIR J. WOLFE BARRY, K.C.B., LL.D., F.R.S.,	London.
GEORGE J. CHURCHWARD,	Swindon.
HENRY DAVEY,	London.
H. F. DONALDSON,	Woolwich.
H. GRAHAM HARRIS,	London.
EDWARD HOPKINSON, D.Sc.,	Manchester.
J. ROSSITER HOYLE,	Sheffield.
HENRY A. IVATT,	Doncaster.
HENRY LEA,	Birmingham.
MICHAEL LONGRIDGE,	Manchester.
THE RIGHT HON. LORD PIRRIE, P.C., LL.D.,	Belfast.
THOMAS P. REAY,	Leeds.
JOHN F. ROBINSON,	London.
MARK H. ROBINSON,	Rugby.
JOHN W. SPENCER,	Newcastle-on-Tyne.
SIR JOHN I. THORNYCROFT, LL.D., F.R.S.,	London.
JOHN TWEEDY,	Newcastle-on-Tyne.
GEORGE WHALE,	Crewe.

HON. TREASURER.

FREDERICK W. ELLIS.

AUDITOR.

ROBERT A. MCLEAN, F.C.A.

SECRETARY.

EDGAR WORTHINGTON,

The Institution of Mechanical Engineers,

Storey's Gate, St. James's Park, Westminster, S.W.

Telegraphic address:—*Mech, London.* Telephone:—*Westminster, 264.*

TOTALS.

HONORARY LIFE MEMBERS	9
MEMBERS	2,413
ASSOCIATE MEMBERS	1,903
ASSOCIATES	67
GRADUATES	503
	4,895

1907.

The Institution of Mechanical Engineers.

ESTABLISHED 1847.

LIST OF MEMBERS,

WITH YEAR OF ELECTION.

[*Telegraph Address and Telephone No. appended within brackets.*]

1ST MARCH 1907.

HONORARY LIFE MEMBERS.

[Hon. M.I.Mech.E.]

1890. HIS MOST GRACIOUS MAJESTY KING EDWARD THE SEVENTH.

1899. H.R.H. George, Prince of Wales, K.G., K.T., K.P., &c., Marlborough House, London, S.W.

1878. Crawford and Balcarres, The Right Hon. the Earl of, K.T., LL.D., F.R.S., 2 Cavendish Square, London, W.; Haigh Hall, Wigan; and Observatory, Dunecht, Aberdeen.

1889. Eiffel, Gustave, 1 Rue Rabelais, Paris.

1901. Kelvin, The Right Hon. Lord, P.C., O.M., G.C.V.O., D.C.L., LL.D., F.R.S., Netherhall, Largs, Ayrshire.

1883. Kennedy, Sir Alexander Blackie William, LL.D., F.R.S., Emeritus Professor of Engineering, University College, London: 17 Victoria Street, Westminster, S.W. [*Kinematic, London.*]

1878. Rayleigh, The Right Hon. Lord, P.C., O.M., D.C.L., LL.D., F.R.S., 4 Carlton Gardens, London, S.W.; and Terling Place, Witham, Essex.

1888. Rosse, The Right Hon. the Earl of, K.P., D.C.L., LL.D., F.R.S., Birr Castle, Parsonstown, Ireland.

1896. Unwin, Professor William Cawthorne, LL.D., F.R.S., Palace Gate Mansions, 29 Palace Gate, Kensington, London, W.

MEMBERS.

[M.I.Mech.E.]

1896. Abady, Jacques, Messrs. Alexander Wright and Co., 81 Page Street, Westminster, S.W. [*Precision, London.* Westminster 337.]

1890. Abbott, Arthur Harold, care of Messrs. Octavius Steel and Co., Calcutta, India.

1878. Abbott, Thomas, Newark Boiler Works, Newark [*Abbott, Newark.*]; and The Square, Retford.

1902. Abel, Walter Robert, 7 and 8 Post Office Chambers, Newcastle-on-Tyne.

1894. Accles, William Sloane, 25 Victoria Street, Westminster, S.W. [*Niliaeus, London.* Westminster 486.]

1898. Acfield, Wilfred Cosens, Signal Superintendent, Midland Railway, Derby.

1892. Acland, Captain Francis Edward Dyke, 76 Cheapside, London, E.C. [*Onager, London.* Bank 5252.]

1897. Adams, Edwin, Messrs. Hulse and Co., Ordsal Works, Regent Bridge, Salford, Manchester; and Moorfield, Palatine Road, Withington, Manchester.

1876. Adams, Henry, 60 Queen Victoria Street, London, E.C. [*Viburnum, London.* Bank 6006.]

1902. Adams, John Henry, Locomotive Carriage and Wagon Superintendent, North Staffordshire Railway, Stoke-on-Trent.

1881. Adams, William John, Messrs. Adams and Co., 35 Queen Victoria Street, London, E.C. [*Packing, London.* Bank 38.]

1900. Adamson, Charles John, 43 Guildford Road, Greenwich, London, S.E.

1897. Adamson, Daniel, Messrs. Joseph Adamson and Co., Hyde. [*Adamson, Hyde.* Nat. Tel. 13.]

1871. Adamson, Joseph, Messrs. Joseph Adamson and Co., Hyde. [*Adamson, Hyde.* Nat. Tel. 13.]

1889. Addy, George, Waverley Works, Sheffield. [*Milling, Sheffield.* 985.]

1905. Adey, John Atkins, Great Central Railway, Gorton, Manchester.

1903. Adic, Alfred Edmond, United Service Club, Calcutta, India.

1887. Ahmed Pasha, Vice-Admiral, Engineer-in-Chief and Head of Technical Inspecting Commission, Imperial Naval Arsenal, Constantinople.

1891. Ahrbecker, Henry Conrad Vandepoel, Mort's Dock and Engineering Co., Balmain, Sydney, New South Wales.

1895. Ahrons, Ernest Leopold, 8 Douglas Road, Nottingham.

1902. Aitken, Charles Henry William, Superintending Engineer, El Varadero de Manila, Cañacao, Manila, Philippine Islands.

1900. Aitken, Hugh Wallace, 147 Bath Street, Glasgow. [*Sugarcane, Glasgow.*]

1900. Aiton, John Arthur, Western Works, Hythe Road, Willesden Junction, London, N.W. [*Harlesden 88.*]

1901. Akroyd-Stuart, Herbert, Akroyd Buildings, Melbourne Road, Perth, Western Australia.

1885. Alderson, George Beeton, Messrs. Allen Alderson and Co., Alexandria, Egypt; Norland House, Ramleh, Egypt: (or care of Messrs. Stafford Allen and Sons, 7 Cowper Street, Finsbury, London, E.C.)

1881. Alexander, Edward Disney, Milton House, Northampton.

1905. Alexander, Walter, Locomotive Works Manager, London, Brighton and South Coast Railway, Brighton.

1875. Allan, George, Bowesfield Steel Co., Stockton-on-Tees.

1885. Allicard, Harry, Messrs. Easterbrook Allicard and Co., 9-11 Fenchurch Avenue, London, E.C.

1874. Allen, Francis, Messrs. Allen Alderson and Co., Gracechurch Street, Alexandria, Egypt: (or care of Messrs. Stafford Allen and Sons, 7 Cowper Street, Finsbury, London, E.C.)

1891. Allen, Marcus, Manchester Chambers, 46 Market Street, Manchester; and Oakdene, Knutsford. [5.]

1881. Allen, Percy Ruskin, Castner-Kellner Alkali Co., Weston Point, Runcorn; and Ferncliffe, Higher Runcorn, Cheshire.

1900. Allen, Richard William, Messrs. W. H. Allen, Son and Co., Queen's Engineering Works, Bedford. [*Pump, Bedford.*]

1885. Allen, William Henry, Messrs. W. H. Allen, Son and Co., York Street Works, Lambeth, London, S.E. [*Pump, London.*]; and Queen's Engineering Works, Bedford. [*Pump, Bedford.*]

1882. Allen, William Milward, Sandhurst, Manley Road, Whalley Range, Manchester.

1899. Alley, Stephen Evans, Manager, Messrs. Alley and MacLellan, Sentinel Works, Polmadie Road, Glasgow; and 5 Huntly Gardens, Kelvinside, Glasgow. [*Alley, Glasgow. Royal 673.*]

1865. Alleyne, Sir John Gay Newton, Bart., Chevin, Belper.

1884. Alleyne, Reynold Henry Newton, North Wootton, King's Lynn.

1872. Alliott, James Bingham, Messrs. Manlove Alliott and Co., Blooms Grove Works, Ilkeston Road, Nottingham. [*Manloves, Nottingham.*]

1891. Allott, Charles Sneath, 46 Brown Street, Manchester. [*Allotted, Manchester. Nat. 1952.*]

1871. Allport, Howard Aston, Dodworth Grove, Barnsley.

1884. Almond, Harry John, General Manager, La Guaira and Caracas Railway, Caracas, Venezuela: (or care of Messrs. G. and W. Almond, 67 Willow Walk, London, S.E.)

1894. Ambler, Frank, General Manager, Brazil Great Southern Railway, Uruguayana, Brazil. *Via Monte Video.*

1902. Ambler, Ratcliff Vincent, Locomotive Superintendent, Nitrate Railways Co., Iquique, Chile.

1904. Ames, Richard, Managing Director, Ames Crosta Sanitary Engineering Co., 7 Victoria Street, Westminster, S.W. [*Amesnador, London.* 377 Westminster.]

1903. Amor, Walter, Ammunition Factory, Kirkee, India.

1885. Amos, Ewart Charles, 22 Walbrook, London, E.C.; and Eastdene, Grange Road, Sutton, Surrey. [*Drilling, London.* Bank 5438.]

1891. Anderson, Alexander Southerland, 119 Lewin Road, Streatham Common, London, S.W.

1880. Anderson, Edward William, Lesney, Warwick Road, Solihull, Birmingham.

1900. Anderson, Eugene Ernest James, Engineer, Corporation Gas Works, Middleton, Manchester.

1902. Anderson, Harry, Chief Engineer, Swanscombe Works, Swanscombe, Greenhithe, S.O., Kent.

1890. Anderson, Herbert William, South Western Laboratory, 43 St. James' Road, Kingston-on-Thames.

1905. Anderson, John, Managing Director, Messrs. Andersons, Canterbury Foundry, Christchurch, New Zealand.

1901. Anderson, John Reid, 13 Charles Street, St. James's, London, S.W.

1892. Anderson, John Wemyss, The University, Liverpool.

1902. Anderson, Percy, Signal Engineer, Signal Works, Engineer's Department, Cape Government Railways, Salt River, Cape Colony.

1891. Anderson, William, Messrs. Head Wrightson and Co., Teesdale Iron Works, Stockton-on-Tees.

1901. Andlau, William Ferdinand von, P.O. Box 51, Gibraltar.

1899. Andrew, George Edward, Engineer Lieut. R.N., H.M.S. "London," Mediterranean Fleet.

1895. Andrews, Thomas, Messrs. Andrews and Baby, Welsh Wagon Works, East Moors, Cardiff. [*Wagons, Cardiff.* 693.]

1902. Andrews, Thomas, Messrs. Harland and Wolff, Belfast; and 31A Wellington Place, Belfast.

1903. Angas, Alfred Spelman, Assistant Manager, Royal Gun Factory, Woolwich; and The Nyth, Blackheath Park, London, S.E.

1885. Anson, Frederick Henry, 28 Victoria Street, Westminster, S.W.

1905. Anstey, Henry Charles, Engineer Lieut. R.N., Manager, Messrs. Richard Hornsby and Sons, Spittlegate Iron Works, Grantham.

1906. Anthony, Charles, Jun., Casilla de Correo 149, Bahia Blanca F.C.S., Buenos Aires, Argentine Republic.

1899. Appleby, George William, care of Imperial Maritime Customs, Kowloon, Hong Kong, China.

1883. Appleby, Percy Vavasseur, care of Messrs. J. H. Vavasseur and Co., 4 Lloyds Avenue, London, E.C.

1901. Arakawa, Shinichiro, Export Matting Inspecting Office, 2 Street Isokamitouri, Kobe, Japan.

1874. Aramburu y Silva, Fernando, Almagro 32, Madrid.

1903. Arkwright, Bernard George, Sir W. G. Armstrong, Whitworth and Co., Elswick Works, Newcastle-on-Tyne.

1882. Armer, James, Messrs. John Birch and Co., 3 London Wall Buildings, London, E.C.

1902. Armes, Benjamin Stephen, 35 Usk Street, Green Street, Bethnal Green, London, N.E.

1902. Armistead, Thomas Webster, Messrs. D. Rollo and Sons, Fulton Engine Works, Liverpool.

1894. Armour, James Glencairn, Queen Insurance Buildings, 13 Castle Street, Liverpool. [*Area, Liverpool.* 2413.]

1876. Armstrong, William, Wingate Grange Colliery, Wingate, County Durham.

1870. Armstrong, William Irving, Timber Works and Saw Mills, 17 North Bridge Street, Sunderland.

1897. Arnold, William, 17 Park Road, Harlesden, London, N.W.

1902. Arnot, Arthur James, Babcock and Wilcox Co., 427 and 429 Sussex Street, Sydney, New South Wales.

1894. Arnot, William, 163 Hope Street, Glasgow. [*Induction, Glasgow.* 638 Argyle.]

1887. Arrol, Sir William, LL.D., Dalmarnock Iron Works, Glasgow.

1887. Arteaga, Alberto de, Juncal 1367, Buenos Aires, Argentine Republic: (or care of M. Raggio Carneiro, 55 and 56 Bishopsgate Street Within, London, E.C.)

1902. Asbury, George Elias, Messrs. Abbott and Co., Newark Boiler Works, Newark; and 11 The Park, Newark. [*Asbury, Newark.*]

1901. Ash, Alfred Ellis, Vauxhall House, Luton.

1873. Ashbury, Thomas (*Life Member*), 17 St. Ann's Square, Manchester; and Ash Grove, Victoria Park, Longsight, Manchester. [*Aluminium, Manchester.*]

1888. Ashby, George, Messrs. N. Wadia and Sons, Cumballa Hill, Bombay, India.

1895. Ashcroft, Andrew George, City and Guilds of London Central Institution, Exhibition Road, London, S.W.; and 95 Twyford Avenue, Acton, London, W.

1889. Ashford, John, Central Workshops, Amritsar, Punjab, India.

1903. Ashley, Herbert, Engineer, Borough of Portsmouth Water Works Co., Commercial Road, Portsmouth.

1902. Ashton, Harold Thomas, D.Sc., Superintendent, Royal Small Arms Factory: Ordnance House, Enfield Lock, Middlesex.

1891. Ashworth, Henry, Brynderwen, Bwlch, R.S.O., Breconshire.

1890. Askham, John Unwin, Messrs. Askham Brothers and Wilson, Yorkshire Steel Works, Napier Street, Sheffield; and 180 Psalter Lane, Brincliffe, Sheffield.

1881. Aspinall, John Audley Frederick, General Manager, Lancashire and Yorkshire Railway, Hunt's Bank, Manchester; and Gledhill, Mossley Hill Drive, Liverpool.

1902. Astbury, Albert James, General Manager, Messrs. Thomas Astbury and Son, Smethwick Foundry, near Birmingham. [*Astbury, Birmingham. 26 Smethwick.*]

1890. Aston, John W., Messrs. Belliss and Morcom, Ledsam Street, Birmingham; and Municipal Technical School, Birmingham.

1899. Atherton, Thomas, Dallam Forge, Warrington; and Folly Lane, Warrington.

1901. Atherton, William Henry, The Plantation, 101 Whitaker Road, Derby.

1889. Atkinson, Alexander, Lahore, Punjab, India.

1896. Atkinson, Frederic, Albert Buildings, 49 Queen Victoria Street, London, E.C. [*Fixed, London.*]

1900. Atkinson, Frederick Arthur, Abbotsford, Hawke Road, Upper Norwood, London, S.E.

1898. Atkinson, Henry, 78 Queen Victoria Street, London, E.C.

1892. Atkinson, James, Glenburn, Mellor, Stockport.

1897. Atkinson, Robert Ernest, Messrs. Ashwell and Nesbit, Great Central Street, Leicester; and Morland Avenue, Knighton, Leicester. [*Plenum, Leicester. 190.*]

1903. Attack, Edward Arthur, Messrs. H. Pontifex and Sons, Farringdon Works, Shoe Lane, London, E.C.

1898. Attwood, Jabez, Foster Street, Stourbridge; and Hagley Road, Stourbridge. [*Attwoods, Stourbridge.*]

1903. Auld, James Paton, Foreados, Southern Nigeria.

1892. Ault, Edwin, 47 Victoria Street, Westminster, S.W.

1905. Austin, Edmund George, care of Messrs. Grindlay and Co., Calcutta, India.

1892. Austin, James Meredith, Chief Engineer, British Engineering Co. of Egypt, Rue de la Gare du Caire, Alexandria, Egypt.

1894. Aveline, William Rebotier, Asiatic Petroleum Co., 24 and 28 St. Mary Axe, London, E.C.

1882. Aveling, Thomas Lake, Messrs. Aveling and Porter, Rochester. [*Aveling, Rochester.*]

1897. Avery, Sir William Beilby, Bart. (*Life Member*), Messrs. W. and T. Avery, Soho Foundry and Digbeth, Birmingham; and Oakley Court, Windsor.
 1899. Awdry, Walter Llewellyn, 33 Union Street, Birmingham. [1806.]

1897. Back, Arthur Charles Lemprière, Devon and Cornwall Ice and Cold Storage Co., Plymouth.
 1905. Baechtold, Charles Albert, Westfield, New Jersey, United States.
 1905. Bagnall-Wild, Captain Ralph Kirkby, R.E., War Office, Horse Guards, Whitehall, London, S.W.
 1891. Bagshaw, Walter, Victoria Foundry, Batley. [Former Member 1872-1887.]
 1899. Baguley, Ernest Edwin, Manager, Motor Dept., Birmingham Small Arms Co., Sparkbrook, Birmingham.
 1885. Bailey, Sir William Henry, Albion Works, Salford, Manchester [*Beacon, Salford.*]; and Sale Hall, Cheshire.
 1899. Bailey, William Seybourne, 17 Praya Central, Hong Kong, China.
 1901. Bailie, John David, 23 Park Row, Leeds. [*Turbo, Leeds.* 1194.]
 1872. Bailly, Philimond, 10 Place Royale, Bruxelles, Belgium.
 1902. Bain, David, Carriage and Wagon Superintendent, Midland Railway, Derby.
 1890. Bain, George, Bey, Carriage and Wagon Works Manager, Egyptian Government Railways, Cairo, Egypt.
 1880. Bain, William Neish, 40 St Enoch Square, Glasgow; and Collingwood, 7 Aytoun Road, Pollokshields, Glasgow. [*Glacis, Glasgow.*]
 1869. Bainbridge, Emerson, Nunnery Colliery Offices, New Haymarket, Sheffield; and 4 Whitehall Court, London, S.W.
 1902. Baird, David George, Messrs. Baird and Todd, Talbot Engineering Works, Talbot Place, Dublin. [995.]
 1898. Baister, Charles, Locomotive Department, North Eastern Railway, Gateshead.
 1890. Baker, Sir Benjamin, K.C.B., K.C.M.G., LL.D., D.Sc., F.R.S. (*Life Member*), 2 Queen Square Place, Westminster, S.W.
 1902. Baker, Ernest Folliott, Engineer Lieut. R.N., H.M.S. "Argyll," care of Postmaster General, London, E.C.
 1897. Baker, George Samuel, Messrs. Joseph Baker and Sons, Willesden Junction, London, N.W. [*Bakers, London.* 3 Harlesden.]
 1904. Baker, Joseph Allen, M.P., Messrs. Joseph Baker and Sons, Willesden Junction, London, N.W. [*Bakers, London.* 3 Harlesden.]
 1896. Baker, William Henry, Superintendent of Works, Residency Post Office Gwalior, Central India.
 1893. Baldwin, Alfred, M.P., Wilden Iron Works, Stourport.

1894. Baldwin, Arthur Hugh, Messrs. Kendall and Gent, Victoria Works, Belle Vue, Manchester. [*Tools, Manchester.* 5147.]

1903. Baldwin, James, Devonshire Brass Works, Keighley. [*Baldwin, Engineers, Keighley.* 156.]

1901. Bale, John Henry Fooks, Manager, Motor Dept., London General Omnibus Co., 6 Finsbury Square, London, E.C.

1877. Bale, Manfred Powis, Appold Street, Finsbury, London, E.C.

1897. Balkwill, Alfred John, 84 Stalybridge Road, Ashton-under-Lyne.

1897. Bamber, Herbert William, 25 Ryder Street, St. James's, London, S.W.

1898. Bamford, Robert George, Assistant Locomotive Superintendent, Madras Railway, Perambore Works, Madras, India.

1887. Bamlett, Adam Carlisle, Agricultural Engineering Works, Thirsk.

1898. Bancroft, Francis James, Water Engineer, Town Hall, Hull.

1901. Banister, Alan Neville, Engineer and Manager, Norwich Electric Tramways, St. Stephen's Chambers, Norwich. [*Tramways, Norwich.* 475.]

1892. Banister, George Henry, Ordnance Department, Messrs. Vickers, Sons and Maxim, Barrow-in-Furness.

1901. Barber, John Watkins, South Eastern and Chatham Railway, Longhedge Works, Battersea Park, London, S.W.

1898. Barber, Thomas Walter, Grosvenor Mansions, 82 Victoria Street, Westminster, S.W.

1903. Barclay, Andrew Walker, General Manager, Messrs. W. Fulton and Sons, Glenfield Works, Paisley; and Newhall Villa, Glenfield, Paisley.

1888. Barker, Eric Gordon, Locomotive Superintendent, Sierra Leone Government Railway, P.O. Box 96, Freetown, Sierra Leone.

1899. Barker, Gerald, 1 Victoria Street, Westminster, S.W.

1896. Barker, Matthew Wilson, Penhalonga Proprietary Mines, Umtali, Rhodesia.

1899. Barker, Thomas Perronet, General Manager, Messrs. Ashmore, Benson, Pease and Co., Stockton-on-Tees.

1885. Barker, T. Birkett, Lapworth Croft, Warwickshire.

1899. Barley, Clement Johnson, Point House, Blackheath, London, S.E.

1903. Barlow, Arthur Bernoulli, Messrs. H. B. Barlow and Co., Croft Street, Pendleton, Manchester.

1900. Barman, Harry Drummond Dawson, Airdrie Iron Works, Airdrie. [*Iron, Airdrie.* 6.]

1904. Barnes, Charles, Messrs. Fullerton, Hodgart and Barclay, Paisley.

1891. Barnes, John Edward Lloyd, Messrs. Sloan and Lloyd Barnes, 34 Castle Street, Liverpool. [*Technical, Liverpool.* 6080.]

1887. Barningham, James, 41 Victoria Buildings, Victoria Street, Manchester.

1884. Barr, Archibald, D.Sc., Professor of Engineering, The University, Glasgow.

1887. Barringer, Herbert, 78 Gracechurch Street, London, E.C.

1862. Barrow, Joseph, Messrs. Thomas Shanks and Co., Johnstone, near Glasgow. [*Shanks, Johnstone.*]

1901. Barrow, Louis, Messrs. Cadbury Brothers, Bournville, near Birmingham.

1871. Barry, Sir John Wolfe, K.C.B., LL.D., F.R.S., 21 Delahay Street, Westminster, S.W. [*Consilium, London.* Westminster 24.]

1883. Bartlett, James Herbert, Middlesbrough, Kentucky, United States.

1900. Barty, Alexander Douglas, Design Branch, Brennan Torpedo Factory, Chatham.

1899. Bashforth, Andrew, Broomfield, Broom Lane, Rotherham.

1887. Bate, Colonel Charles McGuire, R.E. (Ret.), Bendemere, Henley-on-Thames.

1896. Bateman, James Thomas, 34 Bridge Avenue, Hammersmith, London, W.

1903. Bates, Herbert, Works Manager, Messrs. Hulse and Co., Ordsal Works, Regent Bridge, Salford, Manchester; and 25 Eccles Old Road, Pendleton, Manchester.

1904. Baxter, George Handyside, Clyde Navigation Trust, 16 Robertson Street, Glasgow.

1892. Baxter, Peter Macleod, Messrs. McKie and Baxter, Copland Works, Govan, Glasgow. [*Calidad, Glasgow.* Nat. 36 Govan; Corp. 87 Govan; Private 628 Hillhead.]

1899. Bayley, George Ridley, Resident Engineer and Manager, Liverpool Hydraulic Power Co., 123 Athol Street, Liverpool, N.

1872. Bayliss, Thomas Richard, Belmont, Northfield, Birmingham.

1903. Bayliss, William, Manager, Messrs. Galloways, Knott Mill Iron Works, Manchester.

1899. Beale, Bertram Robert, 82 Victoria Street, Westminster, S.W.

1898. Beard, Arthur Charles, London County Council, Spring Gardens, London, S.W.

1895. Beard, Bernard, Messrs. Ashmore, Benson, Pease and Co., Stockton-on-Tees.

1887. Beardmore, William, Parkhead Forge and Steel Works, Glasgow.

1893. Beare, Thomas Hudson, F.R.S.E., Professor of Engineering, The University, Edinburgh.

1891. Beatty, Hazlitt Michael, C.M.G., Chief Locomotive Superintendent, Cape Government Railways, Cape Town, Cape Colony; and Rosclare Camp Ground, Rondebosch, near Cape Town, Cape Colony.

1893. Beaumont, Roberts, M.Sc., Professor of Textile Industries, The University, Leeds.

1880. Beaumont, William Worby, Outer Temple, 222 Strand, London, W.C. [*Vibromotor, London.* Gerrard 4160.]

1905. Beck, Arthur Edward, Earlswood House, Earlswood, Birmingham.

1859. Beck, Edward (*Life Member*), Heddon House, Isleworth.

1901. Beck, Isaac, 17 Haymarket, Sheffield. [*Beck, Engineer, Sheffield.*]

1873. Beck, William Henry, 115 Cannon Street, London, E.C.

1882. Bedson, Joseph Phillips, Carisbrook, Victoria Park, Manchester.

1875. Beeley, Thomas, Messrs. Thomas Beeley and Son, Hyde Junction Iron Works, Hyde, near Manchester. [*Beeley, Hyde.*]

1899. Beeley, Thomas Carter, Messrs. Thomas Beeley and Son, Hyde Junction Iron Works, Hyde, near Manchester. [*Beeley, Hyde.*]

1898. Beesly, Gerald, Managing Director, Tubes Co., Credenda Works, Bridge Street, Smethwick, Birmingham; and The Pump House, Barnt Green, Birmingham.

1900. Begbie, Sydney Dawson, Managing Director, Begbie Manufacturing Co., 407 Oxford Street, London, W. [*Recessing, London.*]

1903. Begbie, Thomas, Sen., P.O. Box 3982, Johannesburg, Transvaal, South Africa.

1901. Behr, Hans Charles, Consolidated Gold Fields of South Africa, P.O. Box 1167, Johannesburg, Transvaal, South Africa.

1888. Beldam, Asplan, 93-94 Gracechurch Street, London, E.C.; and Elmwood Manor, Baldock, Herts.

1902. Bell, Arthur Morton, Carriage and Wagon Superintendent, Great Indian Peninsula Railway, Bombay, India.

1897. Bell, Major Charles Thornhill, R.A., Superintendent, Gun and Shell Factory, Cossipore, India.

1901. Bell, James Alexander, City Electrical and Tramway Engineer, Corporation Electricity Works, Millburn Street, Aberdeen.

1897. Bellamy, Alfred Rowe, Managing Director, Messrs. J. E. H. Andrew and Co., Reddish, near Stockport.

1903. Bellamy, Charles Vincent, Lagos, West Africa.

1868. Belliss, George Edward, Messrs. Belliss, and Morcom, Ledsam Street, Birmingham [*Belliss, Birmingham.*]; and The Dell, King's Norton, near Birmingham.

1897. Belliss, John, Messrs. Belliss and Morcom, Ledsam Street, Birmingham [*Belliss, Birmingham.*]; and 10 Lyttelton Road, Edgbaston, Birmingham.

1878. Belsham, Maurice, Messrs. Price and Belsham, 52 Queen Victoria Street, London, E.C.

1895. Benn, Sykes, Messrs. S. S. Stott and Co., Haslingden, near Manchester. [*Elevator, Haslingden. 103.*]

1902. Bennett, Arthur Edward, Messrs. Webster and Bennett, Atlas Works, Coventry; and Redlands, Toller Road, Leicester. [*Profile, Coventry. 221.*]

1894. Bennett, James William, Messrs. John Birch and Co., 3 London Wall Buildings, London, E.C.

1900. Bennie, Peter, Agencia de Tharsis, Huelva, Spain.

1895. Bennion, Charles, Messrs. Pearson and Bennion, Union Works, Leicester; and Thurnby Grange, Thurnby, Leicester. [*Prominent, Leicester.* 103.]

1895. Bennis, Alfred William, Westcliffe, Half Edge Lane, Eccles.

1894. Bentley, George, Messrs. Bentley and Jackson, Lodge Bank Works, Bury, Lancashire.

1896. Bentley, Wallace, Royal Insurance Buildings, Crossley Street, Halifax; and Hyde Park, Halifax.

1903. Benton, Walford John, 1 Chestnut Avenue, Hyde Park, Leeds.

1895. Berchem, Alphonse Henry Emanuel, Worthington Pump Co., 153 Queen Victoria Street, London, E.C.

1878. Berrier-Fontaine, Marc, Directeur du Génie Maritime du Cadre de Réserve, 16 Boulevard de Strasbourg, Toulon-sur-mer (Var), France.

1902. Berrington, Ernest Evans Willoughby, Bank Buildings, Wolverhampton.

1893. Berry, Henry, Croydon Works, Leeds.

1893. Berry, John Ferrier, Messrs. Fowler and MacLachlan, P.O. Box 1876, Johannesburg, Transvaal.

1897. Berthiez, Charles, 2 Villenstrasse, Neudorf, Strassburg, Alsace, Germany.

1891. Best, Francis Edward, 1 Swan Walk, Chelsea Embankment, London, S.W.

1899. Beswick, Frederick Arrowsmith, Manchester Steam Users' Association, 9 Mount Street, Manchester.

1893. Betts, Samuel, Locomotive Superintendent, Oxelösund-Fleu-Westmanlands Railway, Eskilstuna, Sweden.

1899. Beven, Alfred Nugent, Oficina La Palma, Iquique, Chile.

1891. Bevis, Alfred William, Head Organizer for Drawing and Hand and Eye Training to the Commissioners of National Education, Ireland: The Nest, 26 Sydney Avenue, Blackrock, Dublin.

1903. Bickerton, Henry Nield, Managing Director, National Gas Engine Co., Ashton-under-Lyne.

1885. Bicknell, Arthur Channing, 9 Kensington Court Mansions, London, W.

1898. Bilbie, John, Messrs. Bilbie, Hobson and Co., 106 Queen Victoria Street, London, E.C.

1899. Biles, John Harvard, Professor of Naval Architecture, The University, Glasgow.

1897. Billetop, Torben Christian, Messrs. Henry Watson and Son, High Bridge Works, Newcastle-on-Tyne.

1887. Binnie, Sir Alexander Richardson, 9 Great George Street, Westminster, S.W.; and 77 Ladbroke Grove, Notting Hill, London, W.

1903. Binns, Walter, Corporation Tramways, Mill Lane, Reading.

1891. Bird, George, Messrs. James Bartle and Co., Western Iron Works, Notting Hill, London, W.

1897. Bird, William Hobart, Queen's Road, Coventry.

1880. Birkett, Herbert, Bank Chambers, 197 Edgware Road, London, W. [*Frigerabat, London.*]

1903. Björnstad, Jörgen, Messrs. Easton and Anderson, 20 Tothill Street, Westminster, S.W.

1896. Black, Peter Blair, 185 Palmerston Buildings, Old Broad Street, London, E.C. [*Blackness, London.*]

1891. Blackburn, Arthur Henry, Fuel Economizer Co., Matteawan, New York, United States.

1891. Blackburn, George William, Messrs. T. Green and Son, Smithfield Iron Works, Leeds.

1890. Blackburn, John, Resident Engineer, Colne Valley Water Works, Bushey, Watford.

1904. Blackith, Frederick, Victoria Chambers, Bowalley Lane, Hull.

1898. Blackstone, Edward Christopher, Managing Director, Messrs. Blackstone and Co., Rutland Engineering Works, Stamford. [*Blackstones, Stamford.*]

1902. Blagden, Henry Robert Cecil, Chief Engineer, Alexandria Water Co., Alexandria, Egypt.

1901. Blake, Matthew, Messrs. Blake, Barclay and Co., Victoria Works, Greenock. [*Filter, Greenock.* 130.]

1905. Blakey, Robert Cope, Messrs. Clayton and Shuttleworth, III/2 Löwengasse 34, Vienna, Austria.

1901. Bland, Frederick, Manager, Yorkshire Steel and Engineering Works, Sheffield; and 6 Kenbourne Road, Sheffield.

1906. Bland, John Parkinson, Mechanical Superintendent, "Daily Mirror," 12 Whitefriars Street, London, E.C.

1898. Blane, William, P.O. Box 2863, Johannesburg, Transvaal.

1895. Blaxter, Augustus Pearce, Jun., Messrs. Barnett and Foster, Niagara Works, Eagle Wharf Road, New North Road, London, N.

1892. Blechynden, John, May Villa, Kungping Road, Shanghai, China.

1867. Bleckly, John James, Bewsey Iron Works, Warrington; and Daresbury Lodge, Altrincham.

1899. Blenkinsop, John Nicholas, Marine Superintendent Engineer, Great Eastern Railway, Parkeston Quay, Harwich.

1882. Blundstone, Samuel Richardson, 3 Ludgate Circus Buildings, London, E.C.

1902. Boak, William, Messrs. Delmege, Forsyth and Co., Colombo, Ceylon.

1902. Boardman, James, care of Baron L. Knoop, Machinery Department, Moscow, Russia.

1884. Bocquet, Harry Claude, General Manager, "La Capital" Traction and Electric Co. of Buenos Aires, 761 Avenida de Mayo, Buenos Aires, Argentine Republic.

1902. Bollinckx, Arthur, Ateliers de Construction H. Bollinckx, 117 Chaussée de Mons, Brussels, Belgium. [*Bollinckx, Vapeur, Bruxelles.*]

1895. Bond, George Creswell, Mann's Chambers, Nottingham. [*Bonds, Nottingham.* 441.]

1884. Bone, William Lockhart, Works of the Ant and Bee, West Gorton, Manchester.

1902. Bonell, Thomas Henry Mahadoo, Locomotive, Carriage and Wagon Superintendent, Government Railways, Lagos, West Africa.

1901. Bonniwell, Percival Ormond, Chief Engineer, Law Accident Insurance Society, 215 Strand, London, W.C.

1906. Bonvillain, Philibert, 9 and 11 Rue des Envierges, Paris XX^e, France.

1895. Boorman, Joseph Ashworth, Messrs. Greenwood and Batley, Albion Works, Leeds.

1890. Booth, Robert, 110 Cannon Street, London, E.C. [*Crocus, London.* 1477 Central.]

1901. Borham, William Evans, 9 Rest House Road, Brigade Road, Bangalore, India.

1891. Boswell, Samuel, Messrs. Galloways, Knott Mill Iron Works, Manchester; and 82 Albert Grove, Longsight, Manchester.

1899. Bottomley, John William, Messrs. Thomas C. Fawcett and Co., White House Engineering Works, Leeds.

1888. Boulding, Sidney, Messrs. Green and Boulding, 28 New Bridge Street, London, E.C. [*Temperature, London.* 12455 Central.]

1886. Boult, Alfred Julius (*Life Member*), Messrs. Boult, Wade and Tennant, 111 Hatton Garden, London, E.C. [*Boult, London.* Holborn 180.]

1878. Bourdon, François Edouard, 74 Faubourg du Temple, Paris: (or care of Messrs. Negretti and Zambra, Holborn Viaduct, London, E.C.)

1886. Bourne, Thomas Johnstone, Winfoarthing, Guildford Road, Woking.

1891. Bousfield, John Ebenezer, 4 South Street, Finsbury, London, E.C. [*Invention, London.* 4492 Central.]

1880. Bow, William, Messrs. Bow, McLachlan and Co., Thistle Engine Works, Paisley. [*Bow, Paisley.*]

1888. Bowen, Edward (*Life Member*), 6 Duke Street, Brighton.

1903. Bower, William Nelson, Corn Exchange Buildings, Cathedral Street, Manchester.

1892. Bowker, Arthur F., Seal, Sevenoaks.

1899. Bowler, Thomas, Works Manager, Messrs. Kitson and Co., Airedale Foundry, Leeds.

1899. Bowman, Harold, Messrs. Stevenson and Co., Canal Foundry, Preston. [Stevenson, Preston.]

1890. Boyd, John White, Royal Insurance Buildings, 7 Royal Bank Place, Glasgow. [Silent, Glasgow.]

1907. Brackenbury, Hereward Irenius, Sir W. G. Armstrong, Whitworth and Co., Elswick Works, Newcastle-on-Tyne.

1898. Bradley, Godfrey Thomas, care of the Colonial Secretary, Colombo, Ceylon.

1896. Bradney, Walter, Billiter Buildings, Billiter Street, London, E.C.

1897. Bradshaw, George Theobald Mathew, Locomotive and Resident Engineer, Ballycastle Railway, Ballymoney, Ireland.

1878. Braithwaite, Charles C., Boreham Wood Works, Elstree, Herts. [Packing, Boreham Wood.]

1875. Braithwaite, Richard Charles, Messrs. Braithwaite and Kirk, Crown Bridge Works, Westbromwich [Braithwaite, Westbromwich.]; and Holmwood, Solihull, Birmingham.

1906. Bramley, Tom Bryan, General Manager, The Challenge Cycle Co., Coventry.

1900. Bramsdon, William Henry, Engineer Captain R.N., H.M. Naval Establishments, Sydney, New South Wales.

1885. Brearley, Benjamin J., Union Plate Glass Works, St. Helens; and Ansdell Road, Rainhill, Lancashire.

1900. Brearley, Frederick Thomas, Ansdell Road, Rainhill, Lancashire.

1906. Brearley, William Henry, Works Manager, Messrs. W. T. Beesley and Co., Universal Steel Works, Attercliffe Road, Sheffield.

1900. Bremner, David Alexander, Dunderland Iron Ore Co., Guldsmedvik i Ranen, Norway.

1902. Brewer, Edward Godfrey, 3 Crosby Square, Bishopsgate Street, London, E.C.

1891. Brewster, Edwin Henry George, 12 Dartmouth Street, Queen Anne's Gate, Westminster, S.W.

1905. Bridges, Walter, Messrs. Hal Williams and Bridges, 3 Salters' Hall Court, Cannon Street, London, E.C. [Kawaka, London. 3333 Central.]

1887. Brier, Henry, Messrs. J. and E. Hall, Dartford; and 1 Miskin Road, Dartford.

1889. Briggs, Charles, care of Robert Briggs, Howden.

1898. Briggs, Herbert, P.O. Box 1976, Johannesburg, Transvaal.

1881. Briggs, John Henry, Howden.

1895. Britten, Thomas Johnson, P.O. Box 494, Johannesburg, Transvaal.

1891. Broadbent, William, Messrs. Thomas Broadbent and Sons, Central Iron Works, Huddersfield. [*Broadbent, Huddersfield.* 102.]

1865. Brock, Walter, Messrs. Denny and Co., Engine Works, Dumbarton. [*Lennox, Dumbarton.* 1 and 15.]

1896. Brocklehurst, George, Bridgetown, Barbados, West Indies.

1905. Brodie, George Wallace, Royal Arsenal, Woolwich.

1890. Brodie, John Alexander, City Engineer, Municipal Buildings, Liverpool.

1897. Brodrick, William Holborn, 37 Wellington Street, Hull.

1852. Brogden, Henry (*Life Member*), Hale Lodge, Altrincham, near Manchester.

1892. Bromiley, William J., Beech Hurst, Chorley New Road, Bolton.

1892. Bromly, Alfred Hammond, Tasco, Guerrero, Mexico.

1892. Brooke, John Walter, Adrian Iron Works, Lowestoft. [*Brooke, Lowestoft.*]

1892. Brooke, Robert Grundy, Messrs. Holden and Brooke, Sirius Works, West Gorton, Manchester. [*Influx, Manchester.*]

1897. Brooks, Samuel Herbert (*Life Member*), Union Iron Works, West Gorton, Manchester.

1880. Brophy, Michael Mary, Messrs. James Slater and Co., 251 High Holborn, London, W.C.

1901. Brotherhood, Stanley, 15 Belvedere Road, Lambeth, London, S.E. [*Brotherhood, London.*]

1890. Brousson, Robert Percy, Great Northern and City Railway, 3 Highbury Place, London, N.

1901. Browett, Thomas, Diesel Engine Co., 179 Queen Victoria Street, London, E.C.

1886. Brown, Andrew, 110 Cannon Street, London, E.C.; and 15 Avenue Terrace, Westcliff-on-Sea. [*Browpost, London.* Bank 8168.]

1891. Brown, Arthur Mogg, Lansdowne, The Avenue, Lincoln.

1885. Brown, Benjamin, Widnes Foundry, Widnes.

1880. Brown, Francis Robert Fountaine, care of Bank of Montreal, 22 Abchurch Lane, London, E.C.

1906. Brown, Captain Frank, A.O.D., H.M. Gun Wharf, Portsmouth.

1889. Brown, Captain Frederick Alexander William, Wandlemere, Summers Town, London, S.W.

1881. Brown, George William, Trollhättan, Craven Road, Reading. [251.]

1904. Brown, Harold Henry Lane, Supervising Engineer, Lucknow, India.

1898. Brown, Harry, Liverpool and London Chambers, Pitt Street, Sydney, New South Wales.

1902. Brown, Henry, 1 Old Court Mansions, High Street, Kensington, London, W.

1902. Brown, James Clifford, Messrs. Rowland Carr and Co., 6 and 8 Lime Street Square, London, E.C. [*Smyrus, London.* 5726 Avenue.]

1892. Brown, J. Fiddes, Works Superintendent, Charing Cross and Strand Electricity Supply Corporation, 60 St. Martin's Lane, London, W.C.; and Ellerbie, 24 Morella Road, Wandsworth Common, London, S.W.

1888. Brown, William, Messrs. W. Simons and Co., London Works, Renfrew; and Kilkenny, 7 Whittingehame Gardens, Great Western Road, Glasgow.

1892. Brown, William, Messrs. Siemens Brothers and Co., Woolwich.

1902. Browne, Sir Benjamin Chapman, D.C.L., Chairman, Messrs. R. and W. Hawthorn, Leslie and Co., Forth Banks Works, Newcastle-on-Tyne. [*Locomotive, Newcastle-on-Tyne.*] (Former Member 1869-1884.)

1902. Browne, Benjamin Chapman, Jun., Messrs. R. and W. Hawthorn, Leslie and Co., Forth Banks Works, Newcastle-on-Tyne.

1905. Browne, Robert Jamieson, care of Messrs. Grindlay and Co., 11 Hastings Street, Calcutta, India.

1874. Browne, Tomyns Reginald, Locomotive Superintendent, East Indian Railway, Jamalpur, Bengal, India.

1874. Bruce, Sir George Barclay, 3 Victoria Street, Westminster, S.W.

1889. Bruce, Robert, St. Ninians, Oakleigh Road, Hatch End, S.O., Middlesex.

1895. Bruce, Robert Arthur, Messrs. Joshua Buckton and Co., Well House Foundry, Meadow Road, Leeds.

1892. Brunlees, John, 12 Victoria Street, Westminster, S.W.

1905. Brunton, James Forrest, Chief Officer and Engineer, Municipality, Karachi, India.

1887. Brunton, Philip George, Inspector of Ironwork, Public Works Department, Sydney, New South Wales.

1884. Bryan, William B., Chief Engineer, Metropolitan Water Board, Savoy Court, London, W.C.

1902. Bryson, James, General Manager, Pumpherston Oil Works, Mid-Calder.

1899. Buchanan, James, Messrs. James Buchanan and Son, Caledonia Foundry and Engine Works, Brasenose Road, Liverpool. [*Buchanan, Liverpool.* Bootle 132.]

1901. Buckingham, George Thomas, Messrs. Vickers, Sons and Maxim, 32 Victoria Street, Westminster, S.W.

1904. Buckley, Edwin William, Works Manager, Messrs. Mather and Platt, Park Works, Park, near Manchester.

1892. Buckley, John T., 36 Cleveland Road, Lytham, R.S.O., Lancashire.

1895. Buckley, Victor Emanuel, Nevsky Thread Manufacturing Co., Malaya Bolotnaya 17, St. Petersburg, Russia.

1896. Buckwell, George William, Board of Trade Surveyors' Office, Barrow-in-Furness.

1878. Buddicom, Harry William, Penbedw, Nannerch, near Mold.

1886. Budenberg, Christian Frederick, Messrs. Schäffer and Budenberg, Whitworth Street, London Road, Manchester; and Somerville, Arkwright Road, Marple, Stockport. [*Manometer, Manchester.* 899.]

1882. Budge, Enrique, Engineer-in-Chief, Harbour Works, Valparaiso, Chile: (or care of Messrs. Rose-Innes Cox and Co., 4 Fenchurch Avenue, London, E.C.)

1898. Bulfin, Ignatius, Borough Electrical Engineer, The Generating Station, Southcote Road, Bournemouth.

1881. Bulkley, Henry Wheeler, 141 Broadway, Orange, N.J., United States.

1892. Bulwer, Ernest Henry Earle, Manager, Hagerup-Doughty Ice Factory and Cold Storage Co., Robinson Street, Grimsby.

1891. Bumsted, Francis Dixon, Cannock Chase Foundry and Engine Works, Hedgesford, near Stafford.

1884. Bunt, Thomas, 72 Victoria Street, Westminster, S.W. [*Buntera, London. 5049 Westminster.*]

1899. Burcham, Richard Edward, Manchester Steam Users' Association, 9 Mount Street, Manchester; and Richmond Terrace, Vine Street, Openshaw, Manchester.

1885. Burder, Walter Chapman, Messrs. Messenger and Co., Loughborough.

1902. Burford, Henry George, 15 Dukes Avenue, Muswell Hill, London, N.

1906. Burn, Arthur James Horsfield, General Manager, Waddle Patent Fan and Engineering Co., Llanmore Iron Works, Llanelly.

1878. Burrell, Charles, Jun., Messrs. Charles Burrell and Sons, St. Nicholas Works, Thetford. [*Burrell, Thetford.*]

1887. Burstall, Edward Kynaston, Messrs. Stevenson and Burstall, 38 Parliament Street, Westminster, S.W.

1896. Burstall, Frederic William, Professor of Engineering, The University, Edgbaston, Birmingham.

1890. Burstall, Henry Robert John, Messrs. Burstall and Monkhouse, 14 Old Queen Street, Westminster, S.W. [*Instructed, London. 771 Westminster.*]

1898. Burt, George (*Life Member*), Messrs. John Mowlem and Co., 19 Grosvenor Road, London, S.W.

1884. Butcher, Joseph John, 195 West Brookline Street, Boston, United States.

1896. Butcher, Malcolm Henry, Messrs. F. A. Robinson and Co., 54 Old Broad Street, London, E.C.

1882. Butler, Edmund, Kirkstall Forge, near Leeds. [*Forge, Kirkstall.*]

1902. Butler, Edward, 129 Gleneldon Road, Streatham, London, S.W.

1884. Butler, Hugh Myddleton, Kirkstall Forge, near Leeds.

1891. Butler, James, Victoria Iron Works, Halifax; and Longfield, Halifax.

1902. Butler, Josiah, Messrs. Baldwins, Swansea Hematite Iron and Steel Works, Landore, R.S.O., Glamorganshire.

1894. Butterworth, Joseph, Messrs. Lancaster and Tonge, Pendleton, Manchester; and Thorn Cottage, Pendlebury, Manchester.

1887. Caiger, Emery John, Messrs. E. J. Caiger and Co., 4 Lloyds Avenue, Fenchurch Street, London, E.C. [*Caiger, London.*]

1886. Cairnes, Frederick Evelyn, Killester House, Raheny, S.O., Co. Dublin.

1900. Calastremé, John Carlos, Ada Mayo 586, Buenos Aires, Argentine Republic.

1900. Calthrop, Everard Richard, 3 Crosby Square, Bishopsgate Street, London, E.C. [*Raillerais, London.*]

1886. Cambridge, Henry, Stuart Chambers, Mount Stuart Square, Cardiff.

1898. Cameron, John, Taff Vale Railway, Cardiff.

1903. Campbell, Alexander, Works Manager, Hunslet Engine Works, Leeds. [*Engine, Leeds.* 528.]

1877. Campbell, Angus, Logie, Mussoorie, N. W. Provinces, India.

1898. Campbell, Hugh, Campbell Gas Engine Co., Kingston, Halifax. [*Camgas, Halifax.* 92.]

1882. Campbell, John, Messrs. R. W. Deacon and Co., Kalimaas Works, Soerabaya, Java.

1899. Campbell, Robert Malcolm, 19 Klea Avenue, Clapham Common, London, S.W.

1892. Campbell, William Walker, Messrs. A. F. Craig and Co., Caledonia Engine Works, Paisley [*Machinery, Paisley.* 322.]; and Oakshawhead, Paisley.

1903. Camps, Harold Edward Joscelyn, 6 Crosby Square, London, E.C. [*Adiabatic, London.* 8293 Central.]

1885. Capito, Charles Alfred Adolph, 24 Eardley Crescent, South Kensington, London, S.W.

1892. Capper, David Sing, Professor of Mechanical Engineering, King's College, Strand, London, W.C.; and 17 Victoria Street, Westminster, S.W. [5255 *Westminster.*]

1898. Capron, Athol John, Green Oak, Totley, Sheffield.

1878. Cardew, Cornelius Edward, care of Messrs. Thomas Cook and Son, Ludgate Circus, London, E.C.

1875. Cardozo, Francisco Corrêa de Mesquita (*Life Member*), Messrs. Cardozo and Irmão, Pernambuco Engine Works, Pernambuco, Brazil: (or care of Messrs. Fry Miers and Co., 8 Great Winchester Street, London, E.C.)

1892. Carnegie, David, Messrs. Samuel Osborn and Co., Sheffield.

1901. Carnegie, Francis, Royal Small Arms Factory, Enfield Lock, Middlesex.

1901. Carnegie, William, Royal Laboratory, Royal Arsenal, Woolwich.

1899. Cartt, Edwin Charles, Messrs. J. Samuel White and Co., Cowes, Isle of Wight. [*White, East Cowes. 3 A.*]

1896. Carolin, Edward Marlay, Assistant Locomotive Superintendent, Central South African Railways, Johannesburg, Transvaal.

1902. Carpenter, Charles Claude, Chief Engineer, South Metropolitan Gas Co., 709A Old Kent Road, London, S.E. [*Metrogas, London.*]

1905. Carr, Andrew Custance, Assistant Chief Mechanical Engineer, Bengal Nagpur Railway, Khargpur, Bengal, India.

1895. Carr, Robert Alfred, Broad Street House, New Broad Street, London, E.C.

1903. Carr, Wilson Story, Messrs. Vickers Sons and Maxim, River Don Works, Sheffield.

1884. Carrick, Henry, Hall Garth, Coatham Mundeville, Darlington.

1903. Carruthers, Robert, Chief Superintendent Engineer, Bombay and Persia Steam Navigation Co., Bombay, India.

1885. Carter, Herbert Fuller, Apartado 830, Mexico D.F., Mexico: (or care of H. Maynard Carter, 79 Wool Exchange, Coleman Street, London, E.C.)

1901. Cartwright, William, Works Manager, Messrs. William Heap and Co., Oldham Road Tool Works, Ashton-under-Lyne.

1900. Cash, Ernest William, British Thomson-Houston Co., Rugby.

1888. Castle, Frank, Royal College of Science, Exhibition Road, South Kensington, London, S.W.

1891. Caswell, Samuel John, care of Miss E. A. Caswell, 39 Arundel Square, Barnsbury, London, N.

1892. Causer, William George, Brighton Villa, Handsworth, R.O., Birmingham.

1883. Cawley, George, 25 Victoria Street, Westminster, S.W. [*Conferring, London. 26 Victoria.*]

1892. Chadwick, Osbert, C.M.G., 7 Carteret Street, Queen Anne's Gate, Westminster, S.W.

1894. Chaffey, George, 220 West Fourth Street, Los Angeles, California, United States.

1876. Challen, Stephen William, Messrs. Taylor and Challen, Derwent Foundry, 60 and 62 Constitution Hill, Birmingham. [*Derwent, Birmingham.*])

1889. Challen, Walter Bernard, Messrs. Taylor and Challen, Derwent Foundry, 60 and 62 Constitution Hill, Birmingham.

1892. Chalmers, George, St. John del Rey Mining Co., Finsbury House, Blomfield Street, London, E.C.

1886. Chalmers, John Reid, 18 Hemingford Road, Barnsbury, London, N.

1901. Chamberlain, John, 47 Fordel Road, Catford, London, S.E. [Former Member 1884-1894.]

1897. Chambers, Edward John, Managing Director, Messrs. Bullers, Tipton.

1896. Chambers, Robert Martin, Messrs. Chambers and Co., Cuba Street, Belfast.

1900. Chambers, Thomas Hall Winsley, Messrs. Gjers, Mills and Co., Ayresome Iron Works, Middlesbrough.

1906. Chamen, William Ashcombe, General Manager, South Wales Electrical Power Distribution Co., Royal Chambers, Queen Street, Cardiff.

1890. Chandler, Noel, Cannock Chase Foundry and Engine Works, Hednesford, near Stafford.

1888. Chapman, Arthur, Messrs. Easton and Anderson, 20 Tothill Street, Westminster, S.W.; and Westbury, Woodfield Road, Ealing, London, W.

1866. Chapman, Henry, 69 Victoria Street, Westminster, S.W.; and 10 Rue Laffitte, Paris.

1898. Chapman, Leonard, Park View, Hampton Wick, London, S.W.

1893. Charlesworth, Sheard, Messrs. S. Charlesworth and Co., 6 Clegg Street, Oldham. [*Charlesworth, Engineers, Oldham.* 63.]

1903. Charlton, Francis James, Engineer Lieut. R.N., 36A Victoria Road, Kensington Palace, London, W.

1885. Charnock, George Frederick, Professor of Engineering, Technical College, Bradford.

1890. Chater, John Richard, Messrs. Henry Pooley and Son, Temple Street, Birmingham.

1885. Chatfeild Clarke, Leslie, Brooklyn, Wootton Bridge, Isle of Wight.

1891. Chatterton, Alfred, Professor of Engineering, College of Engineering, Madras, India.

1887. Chatwin, James, Victoria Works, Great Tindal Street, Ladywood, Birmingham.

1890. Chatwood, Arthur Brunel, Easdale, Victoria Crescent, Eccles.

1898. Chatwood, Samuel Rawsthorne, Manager, Lancashire Safe and Lock Works, Bolton. [*Chatwoods, Bolton.* 333.]

1873. Cheesman, William Talbot, Hartlepool Rope Works, Hartlepool.

1906. Child, George Thomas, Messrs. Thomas Bolton and Sons, Oakamoor, Stoke-on-Trent.

1903. Child, Harry Shaw, Assistant Locomotive Superintendent, Cape Government Railways, Uitenhage, Cape Colony.

1897. Childe, Henry Slade, Messrs. Childe and Rowand, Wakefield. [*Childe, Wakefield.* 33.]

1895. Chittenden, Edmund Barrow, New Barnes, West Malling, Kent.

1906. Chivers, Samburn, Manager, Western Wagon and Property Co., East Moors, Cardiff.

1903. Chorlton, Alan Ernest Leofric, Works Manager, Messrs. Mather and Platt, Salford Iron Works, Manchester.

1899. Christie, Andrew, Mort's Dock and Engineering Co., Mort's Bay, Sydney, New South Wales.

1894. Churchward, George Jackson, Locomotive Superintendent, Great Western Railway, Swindon.

1896. Claremont, Ernest Alexander, Messrs. Royce Ltd., Trafford Park, Manchester. [*Switch, Manchester.* 4831.]

1903. Clark, Edwin Kitson, Messrs. Kitson and Co., Airedale Foundry, Leeds.

1896. Clark, George, Southwick Engine Works, near Sunderland.

1899. Clark, George, The Bryan Donkin Co., Chesterfield; and Elm Villa, Spital, Chesterfield. [84 A.]

1904. Clark, Henry, Southwick Engine Works, near Sunderland. [*Clark, Sunderland.*]

1889. Clark, Thomas Alexander, Superintendent of Workshops, George Heriot's School, Edinburgh.

1896. Clark, Thomas Forster, Jesmond Dene, Brondesbury Park, London, N.W.

1906. Clark, William Frederick, Managing Director, Messrs. James Archdale and Co., Birmingham.

1893. Clarke, Edward Fuhrmann, Victoria Chambers, 5A Temple Row, Birmingham. [1788.]

1901. Clarke, George Granville, De Beers Consolidated Mines, Kimberley, South Africa.

1894. Clarkson, Charles, Falkirk Iron Works, Falkirk.

1900. Clarkson, Edward Joseph, Messrs. Thompson and Co., Castlemaine, Victoria.

1898. Clarkson, James, Messrs. J. and P. Coats, 89 Wellington Street, Glasgow.

1891. Clarkson, Thomas, Moulsham Works, Chelmsford; and Jesmond, Southborough Road, Chelmsford.

1892. Clay, Charles Butler, Hylton, Albemarle Road, Beckenham.

1901. Clayton, James, Messrs. Samuel Courtauld and Co., Bocking, near Braintree.

1905. Clayton, James Adolphus, Carriage and Wagon Superintendent, Bomba, Baroda and Central India Railway, Bombay, India.

1898. Cleave, Arthur Harold Wyld, Royal Mint, London, E.

1890. Cleaver, Arthur, Engineer, Nottingham Laundry Co., Sherwood, near Nottingham; and Pelham House, Sherwood Rise, Nottingham.

1890. Cleland, William, Sheffield Testing Works, Blonk Street, Sheffield.

1903. Clemence, Walter, Messrs. Easton, Courtney, and Darbshire, 25 Victoria Street, Westminster, S.W.

1897. Clifford, Charles, Chief Mechanical Engineer, Great Northern Railway of Ireland, Dundalk.

1902. Clift, Clyde Ernest, Manager, Messrs. T. Middleton and Co., Loman Street, Southwark, London, S.E. [*Loman, London.* 597 Hop.]

1885. Clifton, George Bellamy, Great Western Railway, 150 Westbourne Terrace, Paddington, London, W.

1901. Cloake, William Henry, Managing Director, Messrs. Thomas Green and Son, New Surrey Works, Southwark Street, London, S.E. [*Surrey Works, London.* 2022 Hop.]

1885. Close, John, Dringhouses, York.

1902. Cloud, John Wills, Westinghouse Brake Co., 82 York Road, King's Cross, London, N.

1885. Clutterbuck, Herbert, Engineers' Department, London County Council, Spring Gardens, London, S.W.

1904. Coates, Alfred, Manager, Whessoe Iron Foundry, Darlington.

1902. Coates, Victor Henry, Junior Constitutional Club, Piccadilly, London, W.

1887. Cochrane, George, Resident Engineer, London Hydraulic Power Works, 46 Holland Street, Blackfriars Road, London, S.E.

1885. Cochrane, John, Grahamston Foundry and Engine Works, Barrhead, near Glasgow. [*Cochrane, Barrhead.*]

1869. Cochrane, Joseph Bramah, Woodside Iron Works, near Dudley.

1904. Cochrane, Captain Thomas Henry, R.E., Inspector of Iron Structures, War Office, Horse Guards, Whitehall, London, S.W.

1905. Cockrill, Thomas Sidney, Messrs. Cammell Laird and Co., Birkenhead.

1864. Coddington, Sir William, Bart., Ordnance Cotton Mill, Blackburn; and Wycollar, Blackburn.

1889. Coey, Robert, Locomotive Engineer, Great Southern and Western Railway, Inchicore Works, near Dublin.

1898. Coker, Ernest George, D.Sc., F.R.S.E., Professor of Mechanical Engineering, City and Guilds of London Institute: Finsbury Technical College, Leonard Street, City Road, London, E.C.

1889. Colam, William Newby, 27 Rutland Square, Edinburgh. [*Colam, Edinburgh.* 1285.]

1892. Cole, Henry Aylwin Bevan, 50 Lime Street, London, E.C. [*Carbuncle, London.* 1750 Avenue.]

1901. Collet, Harold van Brien, Sanctuary House, Tothill Street, Westminster, S.W. [*Graveness, London.* 1985 Victoria.]

1900. Collinson, Arthur, Manager, Metropolitan District Railway, St. James's Park Station, London, S.W.

1894. Collis, Alfred Edward, Municipal Technical School, Lincoln.

1884. Coltman, John Charles, Messrs. Huram Coltman and Son, Engineering Works, Meadow Lane, Loughborough.

1878. Colyer, Frederick, 45 Thornton Avenue, Streatham Hill, London, S.W.

1896. Conaty, George, Engineering Manager, Birmingham and Midland Tramways Joint Committee, Central House, New Street, Birmingham.

1902. Conner, James, General Manager, English Electric Manufacturing Co., Preston.

1888. Constantine, Ezekiel Grayson, The Stirling Boiler Co., Motherwell. [*Stirlinico, Motherwell.*]

1906. Conway, George Robert Graham, Resident Engineer, Girdleness Outfall Works, School Road, Aberdeen.

1886. Conyers, Sidney Ward, District Works Officer, P.W.D., Nowra, New South Wales.

1874. Conyers, William, New Zealand Chambers, 483 Collins Street, Melbourne, Victoria.

1904. Cook, Alfred Bickersteth, Brush Electrical Engineering Co., Victoria Works, Belvedere Road, Lambeth, London, S.E.

1904. Cook, Elmer Elsworth, Brush Electrical Engineering Co., Falcon Works, Loughborough.

1906. Cook, John, Mandala House, Tibbermore, Perth.

1888. Cook, John Joseph, Messrs. Robinson Cooks and Co., Atlas Foundry, St. Helens, Lancashire.

1904. Cook, John Nicol, Messrs. Barry, Henry and Co., 64 Mark Lane, London, E.C. [*Barrorun, London.*]

1902. Cook, Reuben James, Messrs. John I. Thornycroft and Co., Woolston, Southampton.

1905. Cook, William Hall, Messrs. Spencer and Cook, Stalybridge; and Rose Cottage, Stanley Grove, Longsight, Manchester.

1877. Cooper, Arthur, North Eastern Steel Co., Royal Exchange, Middlesbrough.

1903. Cooper, Arthur Thomas, Reading Electric Supply Co., Vastern Road, Reading.

1898. Cooper, Henry, Hecla Works, Sheffield.

1891. Cooper, Myles, 36 Victoria Street, Manchester.

1905. Cooper, Robert, 12 Coleman Street, London, E.C. [*Annealed, London. 11234 Central.*]

1896. Cooper, Thomas, Metropolitan Asylums Board, Victoria Embankment, London, E.C.; and Spring Valley, Beaconsfield Road, St. Albans.

1892. Cooper, Thomas Lancelot Reed, 20 St. Leonard's Road, Ealing, London, W.

1874. Cooper, William, Neptune Engine Works, Hull. [*Neptune, Hull.*]

1900. Cope, Harry Charles, Messrs. Summerscales and Sons, Phoenix Foundry, Keighley.

1885. Coppée, Evence, 223 Avenue Louise, Bruxelles, Belgium.

1899. Copperthwaite, Ralph Atkinson, Locomotive Department, North Eastern Railway, Gateshead.

1901. Corbett, Alexander John, Managing Director, Straits Engineering Syndicate, Singapore, Straits Settlements.

1892. Corin, Philip Burne, Messrs. J. M. B. Corin and Son, Anchor Foundry, Penzance.

1902. Cormack, John Dewar, Professor of Mechanical Engineering, University College, Gower Street, London, W.C.

1895. Cornish, Edwin, Engineer Commander R.N., H.M.S. "Powerful," Australian Station.

1904. Cornish, Lieut. Henry James, R.E., R.E. Office, Gibraltar.

1881. Cosser, Thomas, McLeod Road Iron Works, Karachi, India : (or care of Messrs. Ironside, Son and Co., 1 Gresham Buildings, Guildhall, London, E.C.)

1900. Cotton, Charles Cathrow Carne, Messrs. Yarrow and Co., Isle of Dogs, Poplar, London, E.

1896. Cottrell, Stephen Butler, Pacific Buildings, 31 James Street, Liverpool. [*Motor, Liverpool.* Central 5460.]

1894. Cottrill, John Ormerod, Bee Hive Works, Bolton.

1895. Couper, Sinclair, Messrs. Lindsay Burnet and Co., Moore Park Boiler Works, Govan, Glasgow. [*Burnet, Glasgow.* South Side 1513.]

1878. Courtney, Frank Stuart, 25 Victoria Street, Westminster, S.W.; and 38 Croxton Road, Dulwich, London, S.E. [*Escourre, Westminster.* 39 Westminster.]

1899. Coveney, William Charles, Superintendent Engineer, Municipal Pumping Station, Singapore, Straits Settlements.

1902. Cowan, Percy John, 8 Henrietta Street, Covent Garden, London, W.C.

1896. Cowdell, Henry Charles, Cradley Boiler Works, Cradley Heath, S.O., Staffordshire. [*Boiler, Cradley Heath.*]

1893. Cowell, John Ray, P.O. Box 2141, Johannesburg, Transvaal, South Africa.

1875. Cowen, Edward Samuel, Messrs. G. R. Cowen and Co., Beck Works, Brook Street, Nottingham; and 9 The Ropewalk, Nottingham. [*Cowen, Nottingham.* 87.]

1898. Cowen, George Roberts, 9 The Ropewalk, Nottingham. (Former Member 1870-1888.)

1898. Cowens, William Edward, Assistant General Manager, Messrs. John Abbot and Co., Park Works, Gateshead.

1892. Cowper-Coles, Sherard Osborn, Grosvenor Mansions, Victoria Street, Westminster, S.W. [*Zincking, London.*]

1906. Cox, Frederick John, Caledonian Engineering Co., 43 and 45 Fortessa Road, Kentish Town, London, N.W.

1888. Cox, Herbert Henry, 22 Florence Terrace, Falmouth.

1897. Cox, Job, Birmingham Corporation Baths and Parks Departments, Kent Street, Birmingham. [994.]

1904. Cozens-Hardy, Edward Herbert, 82 Victoria Street, Westminster, S.W. [*Cosmogony, London.* 734 Westminster.]

1896. Craig, Alexander, Messrs. A. and G. Craig, Queen's Quay and Boating Club Road, Londonderry.

1897. Craig, Alexander, 18 Hertford Street, Coventry.

1899. Craven, John Alfred, Darnall Railway Carriage, Wagon, and Wheel Works, Sheffield; and Penrhyn House, Broomhall, Sheffield.

1894. Craven, William H. S., Messrs. Craven Brothers, Vauxhall Iron Works, Osborne Street, Manchester. [*Vauxhall, Manchester.* 659.]

1902. Crawford, Gerald Walker, 41 George Street, Edinburgh. [1222 Central.]

1901. Crawford, Joseph, 2 Exchange Street, Manchester. [*Clinker, Manchester.* 46.]

1897. Crawford, Walter William, 22 Henrietta Street, Strand, London, W.C. [*Rotapulim, London.* 9850 Central.]

1898. Crewe, Henry Thomas, 17 Sunning Hill Road, Lewisham, London, S.E.

1889. Cribb, Frederick James, Messrs. Marshall Sons and Co., Britannia Iron Works, Gainsborough.

1893. Crippin, Thomas Henry, 105 Rosemeath Road, Urmston, Manchester.

1897. Critchley, James Sidney, 45 Great Marlborough Street, Regent Street, London, W.

1904. Crocker, John, Royal Naval Engineering College, Devonport.

1903. Croft, Frederick Lister, Messrs. Croft and Perkins, Great Northern Works, Leeds Road, Bradford. [*Pulleys, Bradford.* 349.]

1883. Croft, Henry, M.P., Chemanns, Vancouver Island.

1899. Crofts, John Charles Thruston, 58 Howland Avenue, Toronto, Canada.

1878. Crohn, Frederick William, Roseneath, West Cliff Road, Bournemouth.

1877. Crompton, Colonel Rookes Evelyn Bell, C.B., Arc Works, Chelmsford; and Thriplands, Kensington Court, London, W. [*Crompton Chelmsford.*]

1898. Cronin, Richard, Locomotive Superintendent, Dublin, Wicklow and Wexford Railway, Upper Grand Canal Street, Dublin.

1881. Crosland, James Foyell Lovelock, Chief Engineer, Vulcan Boiler and General Insurance Co., 67 King Street, Manchester.

1891. Crosland, Joseph, Messrs. Seebohm and Dieckstahl, Dannemora Steel Works, Sheffield; and Stanley Avenue, Birkdale, Southport.

1875. Crossley, William John, M.P., Messrs. Crossley Brothers, Great Marlborough Street, Manchester. [*Crossleys, Openshaw.*]

1900. Crosta, Lorenzo William, Clifton House, Musters Road, West Bridgford, Nottingham.

1898. Cruttwell, George Edward Wilson, 21 Delahay Street, Westminster, S.W. [*Consilium, London.* Westminster 24.]

1892. Cryer, Arthur, 10 Penywain Place, Roath Park, Cardiff.

1898. Cullen, Peter John, Messrs. Henry Simon, 333 Kent Street, Sydney, New South Wales.

1889. Cullen, William Hart, Castner-Kellner Alkali Co., Wallsend-on-Tyne.

1906. Cuming, George, Messrs. Harland and Wolff, Belfast.

1901. Cunliffe, Richard William, Messrs. Cunliffe and Croom, Broughton Iron Works, Manchester. [*Lathe, Manchester.* 1886.]

1901. Cunningham, Hugh, Works Manager, Messrs. Samuelson and Co., Britannia Iron Works, Banbury.

1906. Currie, George Mackay, Chief Engineer, Nobels' Explosives Co., Explosives Factory, Hiratsuka, Japan.

1903. Cusack, Henry Edward, Locomotive Carriage and Wagon Superintendent, Midland Great Western Railway of Ireland, Broadstone Station, Dublin.

1900. Cutler, Arthur Edward, Public Works Department, Sydney, New South Wales.

1887. Cutler, George Benjamin, Messrs. Samuel Cutler and Sons, Providence Iron Works, Millwall, London, E.; and 10 St. John's Park, Blackheath, London, S.E. [*Cutler, Millwall.* Eastern 59.]

1876. Cutler, Samuel, Messrs. Samuel Cutler and Sons, Providence Iron Works, Millwall, London, E. [*Cutler, Millwall.* Eastern 59.]

1891. Cutler, Samuel, Jun., Messrs. Samuel Cutler and Sons, Providence Iron Works, Millwall, London, E. [*Cutler, Millwall.* Eastern 59.]

1888. Dadabhoj, Cursetjee, Messrs. Shapurji Sorabji and Co., Bombay Foundry and Engine Works, Khetwady, Bombay, India; and Cumbala Hill, Bombay, India.

1894. Dadina, Hormuz Minocher, Messrs. St. Paul and Dadina, Graham's Buildings, Bombay, India.

1891. Daglish, Harry Bolton, Messrs. Robert Daglish and Co., St. Helens Engine and Boiler Works, St. Helens, Lancashire.

1895. Daintree, Thomas Ekins, Rand Club, Johannesburg, Transvaal.

1883. D'Albert, Charles, 15 Avenue Larcher, Chatou, Seine et Oise, France.

1890. Dalby, William Ernest, Professor of Engineering, City and Guilds of London Central Technical College, Exhibition Road, London, S.W.

1902. Dale, John, General Manager, Sunderland Forge and Engineering Co., Sunderland.

1893. Dall, John, Messrs. Lamport and Holt, Fulton Street Works, Liverpool.

1881. D'Alton, Patrick Walter, Messrs. Dick, Kerr and Co., Abchurch Yard, Cannon Street, London, E.C.

1902. Dame, John Malvern, Standard Oil Co., Karachi, India.

1899. Dan, Takuma, Mitsui Mining Co., 1 Suruga-cho, Nihombashi-ku, Tokyo, Japan.

1899. Dania, George, 110 Cannon Street, London, E.C.

1866. Daniel, Edward Freer, Messrs. Worthington and Co., The Brewery, Burton-on-Trent; and 89 Derby Street, Burton-on-Trent.

1866. Daniel, William, Messrs. John Fowler and Co., Steam Plough and Locomotive Works, Leeds; and Menston, Leeds.

1903. Daniels, George, Oakdene, Hyde Road, Gorton, Manchester.

1888. Darbshire, James Edward, 25 Victoria Street, Westminster, S.W. [*Escourre, London.* 39 Westminster.]

1902. Darling, John William, Messrs. Darling and Sellers, Airedale Works, Keighley.

1878. Darwin, Horace, F.R.S. (*Life Member*), The Orchard, Huntingdon Road, Cambridge.

1873. Davey, Henry, Parliament Chambers, Great Smith Street, Westminster, S.W.; and Conaways, Ewell, Surrey. [*Subterranean, London.*]

1906. Davids, Smith William, Mulgrave Central Mill, Nelson, North Queensland.

1890. Davidson, Albert, 139 Norfolk Street, Sheffield.

1896. Davidson, John McKenzie, General Contractor, Karachi, India.

1888. Davidson, Samuel Cleland, Sirocco Works, Bridge End, Belfast. [*Sirocco, Belfast.* 327.]

1904. Davidson, William, District Locomotive Superintendent, Bombay Baroda and Central India Railway, Ajmere, India.

1897. Davies, Edmund Joseph, Messrs. Ransomes, Sims and Jefferies, Orwell Works, Ipswich.

1891. Davies, John Hubert, Messrs. Hubert Davies and Spain, P.O. Box 1386, Johannesburg, Transvaal.

1904. Davies, Sidney, Messrs. Hayward Tyler and Co., Luton.

1877. Davison, John Walter, Senior Inspector of Steam Boilers, Old Custom House, Fort, Bombay, India: (or care of Mrs. Channon, 97 Shirland Road, Maida Vale, London, W.)

1906. Davison, John William, Chief Mechanical Engineer, Great Western Colliery Co., Pontypridd.

1884. Davison, Robert, Locomotive Department, Caledonian Railway, St. Rollox, Glasgow; and 4 Edgefauld Terrace, Springburn, Glasgow.

1892. Davy, William James, 44 St. Paul's Crescent, Camden Town, London, N.W. [*Voltarcon, London.* 220 North.]

1901. Dawson, Lieut. Arthur Trevor, late R.N., Messrs. Vickers, Sons and Maxim, 32 Victoria Street, Westminster, S.W.

1875. Dawson, Edward, 23 Park Place, Cardiff. [*Mechanical, Cardiff.*]

1896. Dawson, Philip, 29 Great George Street, Westminster, S.W.

1896. Day, Charles, General Manager, The Mirrlees Watson Co., Scotland Street, Glasgow.

1890. Day, George Cameron, Quenington Court, Quenington, Fairford, S.O., Gloucestershire.

1886. Dayson, William Ogden, 1 St. James' Gardens, Swansea.

1874. Deacon, George Frederick, LL.D., Great George Street Chambers, 16 Great George Street, Westminster, S.W.

1880. Deacon, Richard William, Yorkshire Machine Tool and Engineering Works, Liversedge, R.S.O., Yorks.

1894. Deakin, Benjamin Walter, The Electric Supply Co. of Victoria, Wendouree Parade, Ballarat, Victoria.

1903. Deakin, Walter, Messrs. H. W. Ward and Co., Lionel Street, Birmingham.

1900. Dean, Frederic William Charles, Royal Ordnance Factory, Royal Arsenal, Woolwich.

1903. Dean, Joseph, General Manager, Messrs. Knowles and Co., Globe Works, Bradford. [*Machines, Bradford.* 2132.]

1899. Deas, James, Water and Sanitary Engineer, Municipal Offices, Warrington.

1900. Deeble, William Rufus, Locomotive Superintendent, Tasmanian Government Railways, Launceston, Tasmania.

1890. Deeley, Richard Mountford, Locomotive Superintendent, Midland Railway, Derby; and Melbourne House, Osmaston Road, Derby.

1889. Defries, Wolf, Messrs. Defries and Sons, 147 Houndsditch, London, E. [*Defries, London.*]

1901. Dellwik, Carl, Dellwik-Fleischer Water-Gas Syndicate, 72 Victoria Street, Westminster, S.W.

1904. De Mattos, Joseph Hilbert, Managing Director, Messrs. Eddison and De Mattos, Dorchester. [*Eddison, Dorchester.* 20.]

1900. Denham, John, Electrician, Electric Light Department, Cape Government Railways, Cape Town, Cape Colony.

1882. Denison, Samuel, Messrs. Samuel Denison and Son, Hunslet Foundry, Leeds. [*Weigh, Leeds.* Central 1238.]

1892. Dennis, George D., 26 Newton Road, Bayswater, London, W.

1888. Dent, Charles Hastings, General Manager, Great Southern and Western Railway, Island Bridge, Dublin.

1898. De Ritter, Walter Henry, 33 Three Colt Street, Limehouse, London, E. [*Deritter, London.* Eastern 664.]

1903. Dewar, James McKie, Messrs. Cammell Laird and Co., 9 Victoria Street, Westminster, S.W.

1895. Dewhurst, John Henry, Messrs. John Dewhurst and Son, Attercliffe Road, Sheffield. [1614.]

1899. Dewrance, John, 165 Great Dover Street, London, S.E.; and Cranmore Place, Chislehurst.

1883. Dick, Frank Wesley, Park Gate Iron and Steel Works, Rotherham.

1891. Dick, John Norman, Senior Government Marine Surveyor, Singapore, Straits Settlements.

1903. Dicken, Robert Christian John, 38 Mill Hill Road, Acton, London, W.

1890. Dickinson, Alfred, Telephone Buildings, Birmingham. [*Traction, Birmingham.* 1823.]

1894. Dickinson, Harold, Manager, Electric Lighting Department, Whitehall Road, Leeds. [*Electricity, Leeds.* Central 1013.]

1891. Dickinson, James Clark, Palmer's Hill Engine Works, Sunderland.

1880. Dickinson, John, Palmer's Hill Engine Works, Sunderland. [*Bede, Sunderland.*]

1892. Dickinson, Richard Henry, Locomotive Superintendent, Birmingham Central Tramways, Kyotts Lake Depôt, Birmingham.

1886. Dixon, Robert, The Poplars, Great Sankey, Warrington.

1898. Dixon, Walter, 59 Bath Street, Glasgow; and 30 Kelvinside Gardens, Kelvinside, Glasgow. [*Fresco, Glasgow.* 3656.]

1897. Dixon, Walter Frank, Kompanaya Singer, Podolsk, Moscow Government, Russia.

1887. Dixon, William Basil, Montpelier House, Blackheath, London, S.E.

1896. Dobson, Adam, 8 Balmoral Buildings, 44 Wellington Place, Belfast.

1899. Dobson, Sydney Thornton, Chief Engineer, St. James's and Pall Mall Electric Light Co., 19 Carnaby Street, Golden Square, London, W. [*Fulleresco, London.* Gerrard 5082.]

1880. Dodd, John, Messrs. Platt Brothers and Co., Hartford Iron Works, Oldham.

1868. Dodman, Alfred, Highgate Foundry, King's Lynn. [*Dodman, Lynn.*]

1889. Dolby, Ernest Richard, Messrs. Dolby and Williamson, 8 Princes Street, Westminster, S.W. [782 Victoria.]

1898. Donald, David Boswell, Messrs. A. and F. Manuelle, 57 Gracechurch Street, London, E.C. [*Feldspar, London.*]

1898. Donaldson, Hay Frederick, Chief Superintendent, Ordnance Factories, Royal Arsenal, Woolwich; and Wood Lodge, Shooter's Hill, Kent.

1903. Donaldson, Peter, 25 Victoria Street, Westminster, S.W.

1904. Donaldson, Thornycroft, Messrs. John I. Thornycroft and Co., Church Wharf, Chiswick, London, W.

1895. Donkin, Harry Julyan, The Bryan Donkin Co., Parliament Mansions, Victoria Street, Westminster, S.W.

1902. Donohue, Major William Edward, A.S.C., Inspector of Mechanical Transport, Aldershot; and St. Ives, South Farnborough, Farnborough.

1891. Donovan, Edward Wynne, Messrs. Donovan and Co., Broughton Bridge Iron Works, Salford, Manchester. [*Dazzle, Manchester.* 3404.]

1865. Douglas, Charles Prattman (*Life Member*), Thornbeck Hill, Carmel Road, Darlington.

1903. Douglas, George Cameron, 41 Reform Street, Dundee. [01960.]

1898. Douglas, William James, 141 Fenchurch Street, London, E.C. [*Blockading, London.*]

1887. Douglass, William Tregarthen, 15 Victoria Street, Westminster, S.W.

1873. Dove, George, Redbourn Hill Iron and Coal Co., Frodingham, near Doncaster [*Redbourn, Frodingham.*]; and Highfield, Ripon.

1903. Dove, John Charles, Messrs. Cowans, Sheldon and Co., St. Nicholas Works, Carlisle. [*St. Nicholas, Carlisle.*]

1900. Dow, James William, Carriage and Wagon Department, North Eastern Railway, York.

1881. Dowson, Joseph Emerson, 39 Victoria Street, Westminster, S.W. [*Gaseous, London.*]

1880. Doxford, Robert Pile, Messrs. William Doxford and Sons, Pallion Shipbuilding and Engine Works, Sunderland.

1899. Drew, Alexander, 154-156 Temple Chambers, Temple Avenue, London, E.C.

1895. Dronfield, James, Messrs. Dronfield Brothers, Atlas Works, Oldham.

1896. Dronfield, William, Brookhurst, Alexandra Park, Oldham.

1886. Drummond, Dugald, Locomotive Engineer, London and South Western Railway, Nine Elms, London, S.W.

1898. Drummond, George William, Glasgow Railway Engineering Co., Helen Street, Govan, Glasgow.

1898. Drummond, Peter, Locomotive Superintendent, Highland Railway, Inverness.

1900. Dryden, Albert, H.M. Mint, Calcutta, India: (or care of Messrs. Grindlay and Co., 55 Parliament Street, Westminster, S.W.)

1896. Dryden, Thomas, Grimshaw Street Foundry, Preston. [36.]

1885. Duckering, Charles, Water Side Works, Rosemary Lane, Lincoln.

1900. Dudin, Henry William, Messrs. Yarrow and Co., Isle of Dogs, Poplar, London, E.

1901. Duff, Edward James, 51 South John Street, Liverpool. [*Apparatus, Liverpool.* 7765.]

1868. Dugard, William Henry, Messrs. Dugard Brothers, Vulcan Rolling Mills, Bridge Street West, Summer Lane, Birmingham. [*Vulcan, Birmingham.*]

1895. Duncan, William, Locomotive Department, Cape Government Railways, Naauwpoort, Cape Colony.

1894. Dunell, George Robert, 36 Bedford Street, Strand, London, W.C.; and 33 Spencer Road, Grove Park, Chiswick, London, W.

1898. Dunkerley, Stanley, D.Sc., Professor of Engineering and Director of the Whitworth Laboratories, Victoria University, Manchester.

1892. Dunlop, James, Messrs. Thomas Dunlop and Co., 25 Wellington Street, Glasgow.

1900. Dunlop, Peter, 70 Grove Road, Clapham Park, London, S.W.

1890. Dunn, Hugh Shaw, Engineer, Caprington Collieries, Kilmarnock.

1901. Dunn, James, Messrs. Vickers, Sons and Maxim, Naval Construction Works, Barrow-in-Furness.

1895. Dunn, Matthew, Corporation Gas Works, Stockton-on-Tees.

1899. Durston, Engineer Vice-Admiral Sir Albert John, K.C.B., Engineer-in-Chief of the Fleet, Admiralty, Whitehall, London, S.W.; and 4 Westcombe Park Road, Blackheath, London, S.E.

1886. Duvall, Charles Anthony, The Limes, Great Milton, Wallingford.

1904. Dykes, Arthur John, Locomotive Carriage and Wagon Superintendent, Mauritius Government Railways, Central Railway Station, Port Louis, Mauritius.

1865. Dyson, Robert, Messrs. Owen and Dyson, Rother Iron Works, Rotherham.

1904. Eager, John, Engineer and Locomotive Superintendent, Burry Port and Gwendraeth Valley Railway and Docks, Burry Port, R.S.O., Carmarthenshire.

1880. Eager, John Edward, Messrs. William Crichton and Co., Engineering and Shipbuilding Works, Abo, Finland.

1858. Easton, Edward, 7 Victoria Street, Westminster, S.W. [Westminster 49.]

1892. Eastwood, Thomas Carline, Messrs. Eastwood Swingler and Co., Victoria and Railway Iron Works, Derby. [Swingler, Derby.]

1904. Eastwood, William, 4 Beechwood Grove, Cardigan Lane, Leeds.

1888. Eaton-Shore, George, Borough Engineer, Temple Chambers, Crewe.

1896. Eborall, Cornelius Willes, District Locomotive Superintendent, East Indian Railway, Jamalpur, India.

1897. Echevarri, Juan Thomas Wood, British Aluminium Co., 9 Victoria Street, Westminster, S.W.

1878. Eckart, William Roberts, Room 4, Nevada Block, San Francisco; and 3014 Clay Street, San Francisco, California, United States.

1886. Ede, Francis Joseph, Messrs. Ede Brothers, Silchar, Cachar, India.

1892. Edgecome, James Edmund, Borough Electrical Engineer, Kingston-on-Thames.

1903. Edmonds, Major Richard James, A.O.D., Inspector of Ordnance Machinery, 22 North Bridge, Edinburgh.

1900. Edwards, Albert Edward Alexander, Messrs. Edwards and Shaw, 105 Colmore Row, Birmingham. [10 X.]

1877. Edwards, Frederick, 62 Bishopsgate Street Within, London, E.C.

1891. Edwards, Herbert Francis, Messrs. Forster, Brown and Rees, Guildhall Chambers, Cardiff.

1885. Edwards, Walter Cleeve, Public Works Department, Cape Town, Cape Colony.

1896. Ekin, Tom Charles, 21 Old Queen Street, Westminster, S.W.

1899. Elford, Ernest John, Borough Surveyor, Southend-on-Sea.

1888. Ellery, Henry George, 7 Fernbank Road, Redland, Bristol.

1875. Ellington, Edward Bayzand, Palace Chambers, 9 Bridge Street, Westminster, S.W.

1892. Elliott, Archibald Campbell, D.Sc., Professor of Engineering, University College of South Wales and Monmouthshire, Cardiff.

1895. Elliott, George, 131 Limestone Road, Belfast.

1901. Ellis, Arthur, Engineer and Manager, Cardiff Corporation Electric Lighting and Tramway Departments, Town Hall, Cardiff.

1895. Ellis, Arthur Devonshire, Managing Director, Messrs. Thwaites Brothers, Vulcan Iron Works, Bradford.

1898. Ellis, Jesse, Invicta Works, St. Peter Street, Maidstone [*Jesse Ellis, Maidstone. 2.*]; and Burnside, Station Road, Sidecup, S.O., Kent.

1901. Ellis, Reginald Eaton, Messrs. Mewburn, Ellis and Pryor, 70 and 72 Chancery Lane, London, W.C. [*Patent, London. Holborn 243.*]

1896. Ellis, William Frederick Wood, 34 Strand, London, W.C. [*Carezzare, London.*]

1900. Elmer, Joseph John, Works Manager, Westinghouse Brake Co., 82 York Road, King's Cross, London, N.; and Ethelmar House, Waverley Road, Crouch End, London, N.

1902. Elphinstone, George Keith Buller, Messrs. Elliott Brothers, Century Works, Lewisham, London, S.E.

1897. Elsworth, John Francis, General Works Manager, Egyptian Salt and Soda Co., Alexandria, Egypt.

1890. English, Lt.-Colonel Thomas, late R.E., Hawley, near Dartford.

1894. English, Thomas Matthew, Mint Master, H.H. The Nizam's Mint, Hyderabad, Deccan, India.

1894. Ennor, Charles John, 55 Rua da Reboleira, Oporto, Portugal.

1900. Enoch, Arthur Guy, Thane Works, Seven Sisters Road, Holloway, London, N. [*Icerimus, London. 1569 North.*]

1897. Epton, William Martin, Government Inspector of Machinery, Mines Department, Winchester House, Johannesburg, Transvaal, South Africa.

1901. Erichsen, Frederik Ole, Messrs. Simpson and Co., 101 Grosvenor Road, Pimlico, London, S.W.

1890. Esson, John, Chatteris Engineering Works, Chatteris, S.O., Cambridgeshire.

1901. Esson, John, 104-107 Fetter Lane, London, E.C. [*Essons, London. Holborn 1064.*]

1884. Etherington, John, 39A King William Street, London Bridge, London, E.C.

1906. Evans, David Llewellyn, 120 Bute Street, Cardiff.

1906. Evans, John, Deputy General Manager, Messrs. Guest, Keen and Nettlefolds, Dowlais Iron Works, Dowlais.

1904. Evans, Malcolm Thomas, 12 Queen's Square, Bristol.

1905. Everett, Wilfred Hermann, Professor of Electrical and Mechanical Engineering, Sibpur Engineering College, Howrah, Bengal, India.

1887. Everitt, Nevill Henry, Messrs. Thomas Piggott and Co., Atlas Works, Birmingham; and Hamble House, Hamble, Hants.

1897. Evers, Joseph Henry, General Manager, Messrs. Manning, Wardle and Co., Boyne Engine Works, Hunslet, Leeds. [*Manning, Leeds.*]

1894. Ewen, John Taylor, F.R.S.E., H.M. Inspector of Schools (Science and Art) for the Northern Division of Scotland; 104 King's Gate, Aberdeen.

1881. Ewen, Thomas Buttwell, Messrs. Ewen and Mitton, Smithfield Works, Sherlock Street, Birmingham.

1891. Ewing, James Alfred, LL.D., F.R.S., Director of Naval Education, Royal Naval College, Greenwich, London, S.E.

1890. Exton, George Gaskell, Messrs. Chubb and Son, 128 Queen Victoria Street, London, E.C.

1881. Farrar, Sidney Howard, Messrs. Farrar Bros., 4 London Wall Buildings, London, E.C.

1900. Feak, William Mark, Fleet Engineer R.N. (Retired), Mill House, Blackheath, London, S.E.

1901. Fedden, Samuel Edgar, Chief Engineer and Manager, Sheffield Corporation Electric Supply Department, Commercial Street, Sheffield.

1882. Feeny, Victor Isidore, 60 Queen Victoria Street, London, E.C. [*Victor Feeny, London.*]

1899. Feetham, Mark, London Electric Supply Corporation, Stowage Wharf, Deptford, London, S.E.

1901. Fell, Aubrey Llewellyn Coventry, Chief Officer, London County Council Tramways, 303 Camberwell New Road, London, S.E. [1230 Hop.]

1876. Fell, John Corry, Messrs. Fell and James, 1 Queen Victoria Street, London, E.C. [*Lodestone, London. 317 Bank.*]

1892. Fenwick, James, 19 Bridge Street, Sydney, New South Wales. [1038.]

1881. Ferguson, William, Harbour Board, Wellington, New Zealand.

1896. Ferguson, William Deeble, 3 Mount Delphi, Antrim Road, Belfast.

1900. Ferranti, Sebastian Ziani de, Grindleford Bridge, Sheffield.

1866. Fiddes, Walter, 2 Queen's Avenue, Tyndall's Park, Bristol.

1906. Field, Basil Kingsford, 7 Barr's Hill, Coventry.

1867. Field, Edward, 4 Trafalgar Square, London, W.C.

1888. Field, Howard, 2 St. Dunstan's Hill, London, E.C.

1884. Fielden, Joseph Petrie, Park House, Rochdale.

1874. Fielding, John, Messrs. Fielding and Platt, Atlas Iron Works, Gloucester. [*Atlas, Gloucester.*]

1891. Finlayson, Finlay, Atlas Works, Airdrie.

1902. Finlayson, Richard Wilson, Messrs. H. P. Gregory and Co., 74 Clarence Street, Sydney, New South Wales.

1902. Finnie, William, Messrs. Howarth, Erskine and Co., Singapore, Straits Settlements.

1899. Firth, Ambrose, Messrs. Walker, Eaton and Co., Wicker Iron Works, Sheffield. [*Founder, Sheffield.* 373.]

1897. Fish, Sylvester Robert, Messrs. F. Street and Co., Palacio da Flôr da Murta, 156 Rua do Poço dos Negros 158, Lisbon, Portugal.

1889. Fisher, Henry Bedwell, Bellevue, Newhaven, Sussex.

1888. FitzGerald, Maurice Frederick, Professor of Engineering, Queen's College, Belfast.

1902. Fitzmaurice, Maurice, C.M.G., Chief Engineer, London County Council, Spring Gardens, London, S.W.

1877. Flannery, Sir James Fortescue, Bart., 9 Fenchurch Street, London, E.C. [Avenue 338.]

1898. Fletcher, Harold Clarkson, Messrs. Johnson and Fletcher, P.O. Box 224, Bulawayo, Rhodesia, South Africa.

1903. Fletcher, James Ashton, Messrs. Fletcher Brothers, Borough Brass and Iron Works, Ashton-under-Lyne. [*Fletcher, Ashton-under-Lyne.* 45.]

1892. Fletcher, Joseph Ernst, Messrs. N. Hingley and Sons, Netherton Iron Works, Dudley.

1898. Fletcher, William, Messrs. Davey Paxman and Co., Colchester.

1902. Fletcher, William, Co-operative Wholesale Society, Blandford Street, Newcastle-on-Tyne.

1902. Fletcher, William Charles, Government Model Workshops, Boulac, Cairo, Egypt.

1901. Flindt, Ernest Just, Morel's Chambers, Cardiff. [*Shaft, Cardiff.*]

1903. Flockton, Benjamin Percy, Messrs. Ashwell and Nesbit, Great Central Street, Leicester.

1902. Foggo, Watson, General Manager, Yorkshire Engine Co., Meadow Hall Works, Sheffield.

1899. Footner, Harry, St. David's, Berkhamsted.

1882. Forbes, David Moncur, The Gables, Cults, Aberdeen.

1895. Forbes, George Chichester, Locomotive Superintendent, Federated Malay States Railways, Kuala Lumpor, Malay Peninsula.

1882. Forbes, William George Loudon Stuart, Mechanical Superintendent, H. M. Mint, Calcutta.

1899. Ford, Thomas Wharton, Palace Chambers, 9 Bridge Street, Westminster, S.W.

1899. Ford-Moore, Arthur Pilcher, 9 Lammas Park Gardens, Ealing, London, W.

1892. Forrest, Hilary Sheldon, General Manager, Messrs. Dobson and Barlow, Kay Street Machine Works, Bolton.

1902. Forrest, Peter, Messrs. Price and Reeves, Rotherhithe Tunnel, Lower Shadwell, London, E.

1905. Forrester, Thomas Adam Jardine, 121 Lydhurst Avenue, Streatham Hill, London, S.W.

1888. Forster, Alfred Llewellyn, Engineer, Newcastle and Gateshead Water Works, Newcastle-on-Tyne.

1889. Foster, Herbert Anderton (*Life Member*), Messrs. John Foster and Son, Black Dike Spinning Mills, Queensbury, near Bradford.

1884. Foster, John Slater, Messrs. Jones and Foster, 39 Bloomsbury Street, Birmingham.

1885. Fourny, Hector Foster, Dock Office Chambers, New Cross Street, Hull. [*Veritas, Hull.* 414.]

1900. Fowler, Alexander Farquharson, 3 Cook Street, Liverpool.

1896. Fowler, Henry, Locomotive Department, Midland Railway, Derby.

1898. Fowler, Percy Merwood, P.O. Box 1876, Johannesburg, Transvaal.

1894. Fowler, Robert Henry, Messrs. John Fowler and Co., Steam Plough and Locomotive Works, Leeds. [*Fowler, Leeds.*]

1906. Fowler, Thomas Walker, 408-410 Collins Street, Melbourne, Victoria.

1885. Fowler, William Henry, 53 New Bailey Street, Manchester; and Sale Lodge, Sale, Manchester.

1900. Fox, Charles Heyland, Alderman's House, Bishopsgate, London, E.C.

1866. Fox, Sir Douglas, 28 Victoria Street, Westminster, S.W.

1899. Fox, Henry Shoolbred, Messrs. G. J. Worssam and Son, Wenlock Road, City Road, London, N. [*Massrow, London.* King's Cross 677.]

1901. Fox, William, Mechanical Engineer to the Manchester Ship Canal Co., 41 Spring Gardens, Manchester. [688 and 1077.]

1905. Fox, William, 5 Victoria Street, Westminster, S.W.

1884. Frampton, Edwin, General Engine and Boiler Co., Hatcham Iron Works, Pomeroy Street, New Cross Road, London, S.E. [*Oxygen, London.*]

1885. Franki, James Peter, Mort's Dock and Engineering Co., Mort's Bay, Sydney, New South Wales: (or care of Messrs. Goldsbrough Mort and Co., 149 Leadenhall Street, London, E.C.)

1902. Franklin, Edward Stanley, Chief Electrical Engineer, Bengal-Nagpur Railway, Khargpur, Midnapur, Bengal, India.

1904. Fraser, Harry John, Messrs. John Fraser and Son, Millwall Boiler Works, Millwall, London, E. [*Highpressure, London.* 71 Eastern.]

1877. Fraser, John Hazell, Messrs. John Fraser and Son, Millwall Boiler Works, London, E.; and Mount Harry, Sevenoaks.

1899. Fraser, Patrick, Messrs. Douglas Fraser and Sons, Westburn Foundry, Arbroath.

1906. Fry, Lawford Howard, care of Messrs. Sanders and Co., 110 Cannon Street, London, E.C.

1900. Fujii, Terugoro, Parliament Chambers, Great Smith Street, Westminster, S.W.

1891. Fuller, Charles Frederick, 223 Temple Chambers, Temple Avenue, London, E.C.

1897. Furness, Charles, Borough Electrical and Tramway Engineer, Electricity Department, Blackpool.

1890. Gadd, William, District Locomotive Superintendent, Great Southern and Western Railway, Limerick.

1906. Gall, Alexander, Messrs. Houston and Gall, Royal Stuart Buildings, Cardiff.

1898. Gandy, Frederick, Staveley Coal and Iron Co., Chesterfield.

1884. Ganga Ram, Rai Bahadur, C.I.E., Executive Engineer, Public Works Department, Amritsar, Punjab, India: (or care of Messrs. Thomas Wilson and Co., 10 and 12 Eastcheap, London, E.C.)

1899. Gardner, William, Vauxhall Iron Works Co., 45 Leadenhall Street, London, E.C. [*Wellhole, London.* Avenue 800.]

1891. Garrard, Charles Riley, Clement Talbot Ltd., St. Quintin's Park, London, W.; and 12 St. Charles Square, North Kensington, London, W.

1899. Garrard, George Mingay, Broseley, Shropshire.

1902. Garratt, Herbert William, 73 Cazenove Road, Stamford Hill, London, N.

1896. Garratt, James Herbert, General Manager, Singapore Electric Tramways Co., Mackenzie Road, Singapore, Straits Settlements.

1882. Garrett, Frank, Messrs. Richard Garrett and Sons, Leiston Works, Leiston, R.S.O., Suffolk. [*Garrett, Leiston.*]

1898. Gass, John, Engineer's Office, The Tower Bridge, 9 Horselydown Lane, London, S.E.

1900. Gaston, Alfred Benjamin, Taku Tug and Lighter Co., Taku, North China.

1894. Gatehouse, Tom Ernest, 4 Ludgate Hill, London, E.C. [*Ageekay, London.* Holborn 933.]

1888. Gaze, Edward Henry James, 170 Prospecthill Road, Victoria Drive, Mount Florida, Glasgow.

1901. Gearing, Ernest George, Managing Director, Leeds Forge, Leeds.

1902. Gebbie, John, Messrs. Howarth, Erskine and Co., Singapore, Straits Settlements.

1888. Geddes, Christopher, 2A Drury Buildings, Water Street, Liverpool. [*Gracius, Liverpool.*]

1903. Gelling, John Welsby, Apartado 593, Mexico City, Mexico.

1880. Geoghegan, Samuel, Consulting Engineer to Messrs. A. Guinness Son and Co., St. James' Gate Brewery, Dublin; and The Grove, Killiney, Co. Dublin.

1896. German, Walter Hussey, Colonial Sugar Refining Co., O'Connell Street, Sydney, New South Wales.

1887. Gibb, Andrew, Messrs. Rait and Gardiner, 155 Fenchurch Street, London, E.C.; and Garthland, Westcombe Park Road, Blackheath, London, S.E.

1871. Gibbins, Richard Cadbury, Berkley Street, Birmingham. [*Gibbins, Birmingham.*]

1904. Gibbons, William Frederick, Messrs. Barnham, Williams and Co., Baldwin Locomotive Works, Philadelphia, Pa., U.S.

1901. Gibbons, William Gregory, Messrs. Brown Brothers and Co., [Rosebank Iron Works, Edinburgh.

1902. Gibbs, George James, Bamber Bridge, Lancashire.

1901. Gibbs, John Henry, Britannia Iron Works, Observatory, Cape Town, Cape Colony.

1906. Gibson, David, Lancashire and Yorkshire Railway Offices, Horwich, Lancs.

1899. Gibson-Sugars, John Sugars, Engineer Commander R.N., H.M.S. "Prince of Wales," Mediterranean.

1883. Gilchrist, Percy Carlyle, F.R.S. (*Life Member*), Chequeur Lawn, St. Albans.

1898. Giles, Benjamin, Divisional Superintendent, Great Western Railway, Newton Abbot.

1900. Gilling, Arthur Hewitt, care of Messrs. Mitrovich Brothers, Old Castle Buildings, Preeson's Row, Liverpool.

1884. Gimson, Arthur James, Messrs. Gimson and Co., Engine Works, Vulcan Street, Leicester. [*Gimson, Leicester. 6.*]

1881. Girdwood, William Wallace, 12 Cowly Road, Cranbrook Park, Ilford.

1896. Given, Ernest Cranston, Messrs. Flannery and Given, 17 Water Street, Liverpool; and 4 Hargreaves Road, Liverpool.

1896. Glasgow, Arthur Graham (*Life Member*), Messrs. Humphreys and Glasgow, 38 Victoria Street, Westminster, S.W.

1898. Glen, David Corse, Messrs. Matheson and Co., 22 Abchurch Lane, London, E.C.

1905. Godfrey, Arthur Samuel, 3 South View, Spring Road, Wrexham.

1880. Godfrey, William Bernard, 23 St. Swithin's Lane, London, E.C.

1882. Goldsmith, Alfred Joseph, Lillington, Moray Street, New Farm, Brisbane, Queensland.

1877. Goodbody, Robert, Messrs. Goodbody, Clashawaun Jute Factory, Clara, near Moate, Ireland.

1875. Goodfellow, George Ben, Aspenshaw, Birch Vale, Stockport.

1901. Goodier, Frank, Caixa Postal 392, São Paulo, Brazil.

1890. Goodman, John, Professor of Engineering, The University, Leeds.

1899. Goodwin, Albert Beecham, Artillery Mansions, 75 Victoria Street, Westminster, S.W.

1889. Goold, William Tom, Zetland Chambers, King Street, Gloucester.

1901. Gordon, Alexander Grant, Marine Superintendent, China Manilla Steamship Co., Hong Kong, China; and care of Messrs. Shewan, Tomes and Co., Hong Kong, China.

1878. Grafton, Alexander, Vulcan Works, Bedford. [*Grafton, Bedford.*]

1902. Graham, Charles Knott, care of Messrs. R. M. Alexander and Co., 24 Coleman Street, London, E.C.

1898. Graham, Hubert Berger, Motor Plants, Ltd., 120-124 Alcester Road, Moseley, Birmingham.

1901. Graham, Jesse, Thorn Field, Newlay, Leeds.

1894. Graham, Maurice, Leeds.

1896. Graham, Robert, Ponce, Porto Rico.

1900. Graham, Walter, Managing Director, Messrs. John Hastie and Co., Kilblain Engine Works, Nicholson Street, Greenock. [*Hastie, Greenock.* 133.]

1900. Graham, William Vaux, 5 Queen Anne's Gate, Westminster, S.W. [*Grallator, London.* Westminster 656.]

1904. Grange, Robert Burns, care of C. A. MacDonald, Hercules Refrigeration, 63 Pitt Street, Sydney, New South Wales.

1900. Grant, Lewis, Messrs. Douglas and Grant, Dunnikier Foundry, Kirkcaldy. [*Douglas, Kirkcaldy.* 105.]

1886. Grant, Percy, Assistant Locomotive, Carriage, and Wagon Superintendent, Ferro Carril del Sud, Estacion Los Talleres, Buenos Aires, Argentine Republic.

1895. Grant, Thomas Maxwell, 17 Clarence Drive, Hyndland, Glasgow.

1896. Gray, Alexander Cuthill, Manager of Rolling Stock, Estrada de Ferro Rio Grande a Bajé, Estação Central, Rio Grande do Sul, Brazil.

1891. Gray, George Macfarlane (*Life Member*), Board of Trade Surveyors' Office, Cork.

1905. Gray, James, 47 Polwarth Gardens, Edinburgh.

1865. Gray, John Macfarlane, 11 Spottiswoode Road, Edinburgh.

1879. Gray, Thomas Lowe (*Life Member*), Lloyd's Register, 71 Fenchurch Street, London, E.C.; and 24 St. Michael's Road, Stockwell, London, S.W.

1900. Greaven, Andrew Augustine, Estacion los Talleres, Ferro Carril del Sud, Buenos Aires, Argentine Republic.

1898. Greaven, Louis, Buenos Aires Great Southern Railway, Plaza Constitution, Buenos Aires, Argentine Republic.

1902. Greaves, William, Vincent Machine Works, Gelderd Road, Leeds; and 15 Park Row, Leeds. [02847.]

1861. Green, Sir Edward, Bart., Messrs. E. Green and Son, Phoenix Works, Wakefield.

1903. Green, Edward William, Managing Director, Messrs. R. and H. Green, Blackwall Yard, Blackwall, London, E. [Green, Blackwall, London. 203 Eastern.]

1901. Green, Thomas, Messrs. Steel, Peech and Tozer, The Ickles, Rotherham.

1893. Green, William Penrose, Messrs. Thomas Green and Son, Smithfield Iron Works, Leeds. [Smithfield, Leeds. Central 158.]

1901. Greenhill, Thomas Arthur, Carola, 12 Edward Road, Bromley, Kent.

1878. Greenwood, Arthur, Messrs. Greenwood and Batley, Albion Works, Leeds.

1894. Gregory, Horace Mark, Messrs. Brown, Lenox and Co., 9 Martin's Lane, Cannon Street, London, E.C.; and Ynysyngharad, Pontypridd.

1907. Greig, James Sime, Britannia Engine and Boiler Works, East Dock Street, Dundee.

1892. Gresham, Harry Edward, Messrs. Gresham and Craven, Craven Iron Works, Salford, Manchester. [Brake, Manchester. 613.]

1880. Gresham, James, Messrs. Gresham and Craven, Craven Iron Works, Salford, Manchester. [Brake, Manchester. 613.]

1905. Grew, Frederick William, Works Manager, Messrs. Barton and Son, Stour Valley Iron Works, Sudbury, Suffolk.

1895. Griffith, Percy, 54 Parliament Street, Westminster, S.W.

1873. Griffiths, John Alfred, Patent Office, Melbourne, Victoria.

1900. Griffiths, William John, General Manager, Messrs. McKenzie and Holland, Semaphore Iron Works, Newport, Melbourne, Victoria.

1906. Grimshaw, George William, Managing Director, Messrs. Peter Pilkington, Dowry Iron Works, Bamber Bridge, Preston.

1889. Grimshaw, James Walter, Resident Engineer, Harbours and Rivers Department, Sydney, New South Wales; and Australian Club, Sydney, New South Wales.

1906. Grindley, John Henry, D.Sc., The University, Liverpool.

1891. Groom, Richard Alfred, Shropshire Works, Wellington, Salop.

1879. Grose, Arthur, Messrs. Grose Norman and Co., Reliance Works, Northampton.

1886. Grove, David, 24 Friedrich Strasse, Berlin.

1898. Grover, Frederick, Forgrave Machinery Co., Admiral Street, Dewsbury Road, Leeds. [*Forgrave, Leeds.* 743.]

1903. Grunwell, Hartley, Manager, Isles Ltd., Steam Crane Works, Stanningley, Leeds. [*c/o Isles, Stanningley.* 45 Stanningley.]

1898. Guest, Charles Henry, 134 London Road, Derby. [*Garage, Derby.* 47 Y Derby.]

1884. Gulland, James Ker, Diamond Drill Co., 8 Victoria Street, Westminster, S.W. [*Gulland, London.*]

1870. Gwynne, James Eglinton Anderson (*Life Member*), Folkestone, Polegate, R.S.O., Sussex.

1870. Gwynne, John, Hammersmith Iron Works, Hammersmith, London, W. and 81 Cannon Street, London, E.C. [*Gwynne, London.*]

1902. Haarer, Ernest Du Chaillu, The Hydraulic Engineering Co., Palace Chambers, 9 Bridge Street, Westminster, S.W.

1904. Haden, William Nelson, Messrs. G. N. Haden and Sons, St. George's Works, Trowbridge. [*Haden, Trowbridge.* 2.]

1888. Hadfield, Robert Abbott, Hecla Foundry Steel Works, Sheffield [*Hadfield, Sheffield.*]; and 28 Hertford Street, Mayfair, London, W. [2400 Gerrard.]

1902. Haggie, Robert Hood, Jun., Tyne Holme, Wealdstone, S.O., Middlesex.

1895. Haines, Charles James, Southampton Water Works, Otterbourne, near Winchester.

1900. Halcomb, Sydney Broughton, Messrs. Sanderson Brothers and Co., Sheffield. [*Sanderson, Sheffield.* 69.]

1897. Haldane, John Wilton Cuninghame, 65 Antrim Mansions, England's Lane, Hampstead, London, N.W.

1905. Hall, Arthur Henry, Mechanical Engineer's Office, Royal Arsenal, Woolwich.

1894. Hall, Henry Platt, Messrs. Platt Brothers and Co., Hartford New Works, Oldham.

1881. Hall, John Percy, Carville, Lawrie Park Road, Sydenham, London, S.E.

1882. Hall, John Willim, 71 Temple Row, Birmingham.

1903. Hall, Joseph, Executive Engineer, Municipal Offices, Bombay, India.

1903. Hall, Joshua, Messrs. R. Hall and Son, Kingston Mills, Hyde.

1890. Hall, Oscar Standring, Messrs. Robert Hall and Sons, Hope Foundry, Bury, Lancashire; and Park Cottage, Bury, Lancashire.

1874. Hall, Thomas Bernard, Messrs. T. Bernard Hall and Jones, King's Court, Colmore Row, Birmingham; and Ingleside, Sandon Road, Edgbaston, Birmingham. [*Tamar, Birmingham.*]

1900. Hall, William Brasier, Engineer Lieut. R.N., H.M.S. "Drake," Second Cruiser Squadron.

1889. Hall-Brown, Ebenezer, Messrs. A. Rodger and Co., St. Helen's Engine Works, Govan, Glasgow. [*Triple, Glasgow.*]

1880. Hallett, John Harry, 123 Bute Street, Cardiff. [*Consulting, Cardiff.*]

1871. Halpin, Druitt, 17 Victoria Street, Westminster, S.W. [*Halpin, London.* 880 Victoria.]

1898. Halstead, Arthur Frederick, Cringlewood, Irlam Road, Sale, Manchester.

1895. Halstead, John Henry, La Administracion, Ferro Carril Central del Uruguay, Monte Video, Uruguay: (or 24 Alma Road, Birkdale, Southport.)

1903. Ham, Frederic George Sison, Messrs. Ham, Baker and Co., 13 Grosvenor Road, Westminster, S.W.

1900. Hambly, John, Sycamore Cottage, Perranwell Station, Cornwall.

1903. Hamilton, George Claude, Messrs. Taylor Brothers and Co., Clarence Iron and Steel Works, Leeds.

1904. Hamilton, John, Engineer Lieut. R.N., Controller's Department, Admiralty, Whitehall, London, S.W.

1894. Hamilton, Robert, 32 Raffles Place, Singapore, Straits Settlements.

1904. Hamilton, William David, 59 Bath Street, Glasgow. [3973.]

1899. Hammond, Robert, 64 Victoria Street, Westminster, S.W. [*Hammond, London.* 394 Victoria.]

1875. Hammond, Walter John, The Grange, Knockholt, near Sevenoaks.

1886. Hanbury, John James, Edgeley, 141 Walm Lane, Cricklewood, London, N.W.

1896. Handyside, Charles Baird, Messrs. Holmes and Co., Examiner Buildings, Manchester.

1891. Harcourt, Otto Simon Henry, Clarence Iron Works, Leeds.

1902. Hardcastle, Edward, Messrs. William Fulton and Sons, Glenfield Works, Paisley.

1894. Harding, James Cooper, Messrs. Workman, Clark and Co., Belfast.

1881. Hardingham, George Gatton Melhuish, Clun House, Surrey Street, London, W.C. [*Hardingham, London.*]

1883. Hardy, John George, 13 Riemergasse, Stadt, Vienna.

1869. Harfield, William Horatio, Arundel House, Thames Embankment, London, W.C. [*Harfield, London.*]

1888. Harker, William, Messrs. Richard Schram and Co., Cannon Street House, London, E.C. [*Schram, London.*]

1898. Harlock, Edward Baker, Messrs. Brunner, Mond and Co., Middlewich.

1894. Harmer, Oscar, Messrs. Alfred Herbert and Co., Coventry; and Dalhousie, Spencer Park, Coventry.

1899. Harrap, George Thomas, 5 Budge Row, Cannon Street, London, E.C.

1891. Harris, Gordon, Messrs. Merryweather and Sons, Fire-Engine Works, Greenwich Road, London, S.E.

1879. Harris, Henry Graham, Messrs. Bramwell and Harris, 5 Great George Street, Westminster, S.W. [*Wellbram, London.* Westminster 60.]

1873. Harris, Richard Henry (*Life Member*), Oak Hill, Surbiton, R.O., near Kingston-on-Thames.

1902. Harris, William, 155 Prescot Road, Fairfield, Liverpool.

1877. Harris, William Wallington, 89 Lincoln Road, Peterborough.

1898. Harrison, Frank, Messrs. Marshall, Sons and Co., Bombay, India.

1885. Harrison, Frederick Henry, Lincoln Malleable Iron Works, Lincoln. [*Malleable, Lincoln.*]

1888. Harrison, George, Messrs. D. Young and Co., 11 and 12 Southampton Buildings, London, W.C. [*Junkring, London.* Holborn 893.]

1889. Harrison, Major Gilbert Harwood, R.E., R.E. Committee Office, Brompton Barracks, Chatham.

1885. Harrison, Joseph, Royal College of Science, Exhibition Road, South Kensington, London, S.W.

1891. Harrison, Joseph Hutchinson, Messrs. Howson and Harrison, 2 Exchange Place, Middlesbrough; and Clifford Villa, Coatham, Redcar.

1887. Harrison, Thomas Henry, Messrs. Davey Paxman and Co., 78 Queen Victoria Street, London, E.C.

1890. Harrison, William Robert, 477 Anlaby Road, Hull. [*Arbitrate, Hull.* 375.]

1883. Hart, Frederick, 36 Prospect Street, Poughkeepsie, New York, United States.

1901. Hartley, William Archbold, Messrs. Charles Cammell and Co., Cyclops Steel and Iron Works, Sheffield.

1872. Hartnell, Wilson, Volt Works, Leeds. [*Hartnell, Leeds.* 282.]

1906. Hartness, James (*Life Member*), President, Jones and Lamson Machine Co., Springfield, Vermont, United States.

1892. Harvey, Francis Haniel, Messrs. Harvey and Co., Hayle Foundry, Hayle, Cornwall.

1883. Harvey, Sir Robert, Dundridge, Totnes.

1897. Harvey, Robert, Chairman, Harvey Engineering Co., 27 Mincing Lane, London, E.C.

1878. Harwood, Robert, Soho Iron Works, Bolton.

1881. Haslam, Sir Alfred Seale, Union Foundry, Derby. [*Zero, Derby.*]

1898. Haslam, William Gilbert, Union Foundry, Derby.

1902. Haste, Frederick Charles, Haste Pump Co., Ogden Lane, Openshaw, Manchester. [*Silence, Manchester.*]

1902. Haswell, Frederick John, Hull Hydraulic Power Co., Machell Street, Hull.

1899. Hatch, William Thomas, Engineer-in-Chief, Metropolitan Asylums Board, Victoria Embankment, London, E.C.

1900. Hattersley, Robert Lund, Woodsend Works, Flixton, near Manchester.

1885. Hatton, Robert James, Henley's Telegraph Works, North Woolwich, London, E.

1892. Hawkins, Rupert Skelton, Locomotive and Carriage Superintendent, Assam and Bengal Railway, Pahartali P.O., Chittagong, India.

1905. Hawkins, Thomas Whithead, Manager, Messrs. John and William McNaught, St. George's Foundry, Rochdale.

1861. Hawkins, William Bailey, 39 Lombard Street, London, E.C.

1901. Hawks, Nicholas Swanson, Ridge House, Brampton, Cumberland.

1870. Hawksley, Charles, 30 Great George Street, Westminster, S.W.

1891. Hawksley, George William, Brightside Boiler and Engine Works, Savile Street East, Sheffield; and Mushroom Hall, 300 Western Bank, Sheffield. [*Hawksley, Sheffield.* 327.]

1900. Hawksley, Kenneth Phipson, 30 Great George Street, Westminster, S.W.

1882. Hayes, Edward, Watling Works, Stony Stratford. [*Hayes, Stony Stratford.*]

1879. Hayes, John, 11 Church Street, Carnarvon.

1902. Hayward, Thomas William Alfred, Borough Surveyor, Battersea Borough Council, Municipal Buildings, Lavender Hill, Battersea, London, S.W.

1888. Head, Harold Ellershaw, 57 Wynnstay Gardens, Kensington, London, W.

1903. Heald, James Arthur, Atlantic Buildings, Cardiff Docks, Cardiff.

1890. Heap, Ray Douglas Theodore, Royal Arsenal, Woolwich.

1872. Heap, William, 12 Seaton Buildings, 17 Water Street, Liverpool.

1898. Hearson, Hugh Reginald, Messrs. Arnhold, Karberg and Co., Shanghai, China.

1898. Heath, Ashton Marler, Office of the Crown Agents for the Colonies, Whitehall Gardens, London, S.W.

1899. Heath, Elijah Arthur, Messrs. Dick, Kerr and Co., Abchurch Yard, Cannon Street, London, E.C.

1889. Heath, George Wilson, Messrs. Heath and Co., Observatory Works, Crayford, Kent.

1888. Heatly, Harry, Messrs. Heatly and Gresham, 110 Cannon Street, London, E.C.; and The Hoo, Hitchin.

1897. Heaton, Charles, Brades Steel Works, near Birmingham. [*Brades, Birmingham.*]

1899. Hedley, Robert, 32 Rectory Terrace, Gosforth, Newcastle-on-Tyne.

1875. Heenan, Hammersley, Messrs. Heenan and Froude, 4 Chapel Walks, Manchester. [*Heenan, Manchester.* 964 and 966.]

1879. Hele-Shaw, Henry Selby, LL.D., F.R.S., 64 Victoria Street, Westminster, S.W. [*Heleshawce, London.* 1291 Victoria.]

1879. Henriques, Cecil Quixam, Messrs. John H. Wilson and Co., 15 Victoria Street, Westminster, S.W. [*Drague, London.*]

1904. Henry, Hubert Decimus, Calle Necochea 655, Buenos Aires, Argentine Republic.

1875. Hepburn, George, Redcross Chambers, Redcross Street, Liverpool. [*Hepburn, Liverpool.*]

1900. Hepworth, John William, Messrs. Alcock, Ashdown and Co., Bombay, India.

1892. Herbert, Alfred, Machine-Tool Works, Coventry; and Fieldgate Lane, Kenilworth. [*Lathe, Coventry.* 52.]

1893. Herbert, Charles, 35 Queen Victoria Street, London, E.C. [*Mancunian, London.*]

1893. Herbert, George Henry, Messrs. Richard Hornsby and Sons, 75A Queen Victoria Street, London, E.C.

1894. Herman, Benjamin Richard, Messrs. B. R. Herman and Co., McLeod Road, Karachi, India. [*Herman, Karachi.* 47.]

1884. Hernu, Arthur Henry, 69 Victoria Street, Westminster, S.W.

1894. Herriot, William Scott, Ravenswood, Partick, Glasgow.

1898. Herschmann, Arthur Julius, Geo. A. Fuller Construction Co., 945 Broadway, New York, United States.

1906. Hertz, Albert Holger, Locomotive Superintendent, Port Talbot Railway and Docks Co., Port Talbot.

1879. Hesketh, Everard, Messrs. J. and E. Hall, Iron Works, Dartford. [*Hesketh, Dartford.*]

1897. Hetherington, Edward Palmer, Messrs. John Hetherington and Sons, Vulcan Works, Pollard Street, Manchester.

1872. Hewlett, Alfred, Haseley Manor, Warwick.

1885. Hicken, Thomas, Messrs. Agar, Cross and Co., 136 Calle Defensa, Buenos Aires, Argentine Republic.

1896. Higby, Robert George, Messrs. Bird and Co., 27 Leadenhall Street, London, E.C.

1901. Higginbotham, George, Calico Printers' Association, 56 Mosley Street, Manchester.

1894. Higginbottom, Lloyd, Messrs. Higginbottom and Mannock, Crown Iron Works, West Gorton, Manchester.

1902. Hignett, Arthur Holland, Engineer-in-Chief, Messrs. A. Guinness, Son and Co., St. James' Gate Brewery, Dublin.

1879. Higson, Jacob, Crown Buildings, 18 Booth Street, Manchester.

1903. Hildred, Charles William, Messrs. R. Waygood and Co., Falmouth Road, Great Dover Street, London, S.E.

1902. Hildreth, William Augustus, Messrs. Alfred Herbert, Coventry.

1901. Hill, Alfred John, Manager, Locomotive, Carriage and Wagon Works, Great Eastern Railway, Stratford, London, E.

1902. Hill, Edmund Lewin, Siemens Brothers Dynamo Works Ltd., 196 Deansgate, Manchester.

1883. Hill, John Kershaw, Engineer and Manager, West Surrey Water Works, High Street, Walton-on-Thames.

1901. Hill, Joseph, St. George's Engineering Works, Wood's Lane, Derby. [*Hill, Derby.* 227.]

1885. Hill, Robert Anderson, 14 Third Avenue, Hove, Sussex.

1900. Hill, Walter Scott, Steamers and Boats Department, care of War Office, Cairo, Egypt.

1890. Hiller, Edward George, Chief Engineer, National Boiler Insurance Co., 22 St. Ann's Square, Manchester.

1882. Hiller, Henry, Consulting Engineer, National Boiler Insurance Co., 22 St. Ann's Square, Manchester; and Athelney, Stanley Road, Alexandra Park, Manchester.

1899. Hiller, Henry King, Engineer, Gas Company, Shanghai, China.

1898. Hipkins, William Edward, Managing Director, Messrs. James Watt and Co., Soho Foundry, Smethwick, Birmingham.

1897. Hiraoka, Hiroshi, Hiraoka Engineering Works, Honjo, Tokyo, Japan. [*Herocar, Tokyo.*]

1897. Hirst, James, City Electrical Engineer, Electric Light Station, Sydney Street, Newcastle, New South Wales.

1896. Hitchcock, Cyril, Messrs. Rendel and Robertson, 8 Great George Street, Westminster, S.W.

1899. Hitchins, Charles Faunce, 25 Victoria Street, Westminster, S.W.; and Junior Constitutional Club, Piccadilly, London, W.

1898. Hobbs, Charles James, General Manager, Hydraulic Engineering Co., Chester.

1900. Hobson, John Edward, Oaklands, Cheadle, Cheshire.

1891. Hodge, Arthur, 726 Salisbury House, London Wall, London, E.C.

1891. Hodges, Frank Grattidge, care of A. W. Allen, Accountant's Office, Midland Railway, Derby.

1897. Hodges, Frank William, Vauxhall Iron Works, Wandsworth Road, London, S.W.; and Alma, Balaclava Road, Surbiton.

1896. Hodges, Marcus Henry, Messrs. Hodges Brothers, City Basin Iron Works, Exeter.

1880. Hodgson, Charles, Messrs. Saxby and Farmer, 53 Victoria Street, Westminster, S.W. [*Signalmen, London.* 285 Westminster.]

1901. Hodgson, Ealey, Mansion House Chambers, 20 Bucklersbury, London, E.C. [*Torquated, London.* 8374 Bank.]

1906. Hodgson, Percy Frederick, Manager, Messrs. Saxby and Farmer, Chippenham.

1900. Hodgson, William, Messrs. Hodgson and Stead, Egerton Iron Works, Windsor Street, Salford, Manchester. [*Weighing, Manchester.* 1461.]

1891. Hogarth, Thomas Oswald, Great Western Railway Works, Saltney, Chester.

1886. Holden, James, Locomotive Superintendent, Great Eastern Railway, Stratford Works, London, E.

1895. Holgate, Charles Henzell, School Close Works, Leeds.

1895. Holliday, John, Messrs. A. Guinness, Son and Co., St. James' Gate Brewery, Dublin.

1899. Hollingsworth, Allen Alexander, Messrs. Henry Bessemer and Co., Carlisle Street East, Sheffield.

1896. Holman, Frederick, Messrs. N. Holman and Sons, Penzance Foundry, Penzance.

1891. Holman, Hugh Wilson, Messrs. E. J. Caiger and Co., 4 Lloyd's Avenue, Fenchurch Street, London, E.C. [*Caiger, London.*]

1899. Holmes, John Henry, Portland Road, Newcastle-on-Tyne; and Wellburn, Jesmond, Newcastle-on-Tyne.

1896. Holmes, Percy Frederick, Messrs. W. C. Holmes and Co., Whitestone Iron Works and Turnbridge Foundries, Huddersfield. [*Holmes, Huddersfield.* 113.]

1892. Holmström, Carl Albert, Morecroft, Epsom.

1888. Homan, Harold, Messrs. Homan and Rodgers, 10 Marsden Street, Manchester. [*Namoh, Manchester.* 637.]

1903. Homersham, Thomas Henry Collett, Works Manager, Messrs. Thwaites Brothers, Vulcan Iron Works, Bradford.

1895. Homfray, Samuel George, Sir W. G. Armstrong, Whitworth and Co., 8 Great George Street, Westminster, S.W.

1898. Honiball, Charles Roland, Maritime Engine Works, 121 Great Mersey Street, Liverpool. [*Honiball, Liverpool.* Central 7371.]

1890. Hooker, Benjamin, Blackhorse Lane, Walthamstow, London, N.E.

1904. Hookham, John Albert, Works Manager, Locomotive Works, North Staffordshire Railway, Stoke-on-Trent.

1892. Hope, John Basil, Assistant Locomotive Superintendent, Midland Great Western Railway, Dublin.

1901. Hopkinson, Allen Haigh, Messrs. J. Hopkinson and Co., Britannia Works, Huddersfield. [*Hopkinson, Huddersfield.* 169.]

1904. Hopkinson, Bertram (*Life Member*), Professor of Mechanism and Applied Mechanics, Engineering Laboratory, The University, Cambridge.

1885. Hopkinson, Charles, Werneth Chambers, 29 Princess Street, Manchester.

1894. Hopkinson, Edward, D.Sc., Messrs. Mather and Platt, Salford Iron Works, Manchester; and Ferns, Alderley Edge, Cheshire.

1877. Hopkinson, Joseph, Messrs. Joseph Hopkinson and Co., Britannia Works, Huddersfield. [*Hopkinson, Huddersfield.* 169.] :

1890. Hopper, Allan, Messrs. William Hopper and Co., Moscow, Russia.

1890. Hopper, James Russell, Messrs. William Hopper and Co., Moscow, Russia.

1880. Hornsby, James, Messrs. Richard Hornsby and Sons, Spittlegate Iron Works, Grantham. [*Hornsby, Grantham.*]

1891. Horsfield, Ralph, Messrs. Ralph Horsfield and Co., Bredbury, Woodley Stockport.

1899. Hosgood, Octavius Sidney, Electric Light and Tramways Department, Roath Power Station, Roath, Cardiff.

1891. Hosgood, Walter James, Mashonaland Railway Co., Umtali, Rhodesia, South Africa.

1889. Hosken, Richard, P.O. Box 667, Johannesburg, Transvaal, South Africa: (or care of J. Hosken, 27 Mincing Lane, London, E.C.)

1902. Hoskins, George John, Messrs. G. and C. Hoskins, Sydney, New South Wales.

1901. Hough, Edward Stamford, Fenchurch Station Chambers, 66 Fenchurch Street, London, E.C.

1866. Houghton, John Campbell Arthur, Sparnon, Torquay.

1889. Houghton, Thomas Harry, 63 Pitt Street, Sydney, New South Wales. [*Expansion, Sydney.*]

1895. House, Henry Alonzo, Jun., Liquid Fuel Engineering Co., Hamworthy, Poole.

1864. Howard, Eliot, Messrs. Hayward Tyler and Co., 99 Queen Victoria Street, London, E.C. [*Tylerox, London.* 192 Bank.]

1897. Howard, Henry Fox, Messrs. Hayward, Tyler and Co., 99 Queen Victoria Street, London, E.C. [*Tylerox, London.* 192 Bank.]

1879. Howard, James Harold, Britannia Iron Works, Bedford; and The Grange, Kempston, Bedford.

1882. Howard, John William, Gloucester Wagon Works, Gloucester.

1896. Howarth, Alfred Montgomery, Dredges and Machinery, Public Works Department, Sydney, New South Wales.

1885. Howarth, William, Manager, Oldham Boiler Works, Oldham. [*Boilers, Oldham.*]

1901. Howe, Henry Bryant, General Works Manager, Government Railways, Eveleigh Works, Sydney, New South Wales.

1877. Howell, Samuel Earnshaw, Messrs. Howell and Co., Brook Steel Works, Brookhill, Sheffield. [*Howell, Sheffield.*]

1882. Howl, Edmund, Messrs. Lee Howl and Co., Tipton. [*Howl, Tipton.*]

1904. Howlden, Edwin Francis, 68 Marlborough Mansions, Cannon Hill, West Hampstead, London, N.W.

1877. Howlett, Francis, Messrs. Clayton, Howlett and Co., 28 Victoria Street, Westminster, S.W. [*Brickpress, London.*]

1891. Hoy, Henry Albert, Messrs. Beyer, Peacock and Co., Gorton Foundry, Manchester.

1887. Hoyle, James Rossiter, Messrs. Thomas Firth and Sons, Norfolk Works, Sheffield.

1891. Hubback, Charles Arbuthnot, 29 Wordsworth Avenue, Roath, Cardiff.

1882. Hudson, John George, Messrs. Hick Hargreaves and Co., Soho Iron Works, Crook Street, Bolton; and Glenholme, Bromley Cross, Bolton.

1893. Hudson, William, Stocks Lane, Stalybridge.

1881. Hughes, Edward William Mackenzie, 36 Greycoat Gardens, Westminster, S.W.

1899. Hughes, George, Chief Mechanical Engineer, Lancashire and Yorkshire Railway, Horwich, Lancs.

1898. Hughes, George Henry, 19 Old Queen Street, Westminster, S.W.; and 1 Marlborough Road, Lee, Lewisham, London, S.E. [5554 Westminster.]

1889. Hughes, John, Messrs. Hughes and Lancaster, 16 Victoria Street, Westminster, S.W.

1891. Hughes, Robert M., District Engineer, Bengal-Nagpur Railway, Cuttack, Bengal, India.

1900. Hughes, Thomas William Robert, 59 Catford Hill, London, S.E.

1902. Hulley, Richard Dodson, Messrs. Royce, Ltd., Trafford Park, Manchester. [*Switch, Manchester.* 4831.]

1906. Hume, Edward Shotton, Chief Mechanical Engineer, Western Australian Government Railways, Perth, Western Australia.

1903. Humpage, Thomas, 258 Coronation Road, Bristol.

1899. Humphrey, Herbert Alfred, 38 Victoria Street, Westminster, S.W. [*Gazonner, London.*]

1900. Humphreys, Henry Howard, 28 Victoria Street, Westminster, S.W.

1866. Humphrys, Robert Harry, Messrs. Humphrys Tennant and Co., Deptford Pier, London, S.E.

1899. Hunt, Henry, Messrs. G. J. Worssam and Son, Wenlock Road, City Road, London, N.; and Cotsford, Uplands Park, Enfield.

1898. Hunt, Robert Woolston, 1137 The Rookery, Chicago, Illinois, United States.

1901. Hunt, William, Messrs. Hunt, Sons and Bright, 48 and 50 London Road, Nottingham.

1899. Hunter, George Lewis, Messrs. T. and W. Smith, Guildhall, Newcastle-on-Tyne.

1906. Hunter, James Alexander, Mechanical Engineer's Department, London and South Western Railway, Nine Elms Works, London, S.W.

1886. Hunter, John, Messrs. Campbells and Hunter, Dolphin Foundry, Saynor Road, Hunslet, Leeds.

1902. Hunter, Summers, General Manager, North Eastern Marine Engineering Co., Wallsend, R.S.O., Northumberland. [*News, Wallsend.*]

1877. Hunter, Walter, 17 Victoria Street, Westminster, S.W. [*Westminster 75.*]

1900. Hurst, Isaac Edwin, Engineer Captain R.N., 12 St. Margaret's Street, Rochester.

1905. Hutchins, Walter James, Messrs. Alfred Herbert, 47 Boulevard de Magenta, Paris.

1899. Hutson, Charles Alfred, Messrs. C. A. Hutson and Co., Ceylon Engineering Works, Colombo, Ceylon.

1888. Huxley, George, 20 Mount Street, Manchester.

1894. Hyde, George Herbert (*Life Member*), Government Factory, Colombo, Ceylon.

1885. Hyland, John Frank, Government Railways, Sekondi, Gold Coast, West Africa: (or care of Messrs. Lewis and Hyland, New Rents, Ashford, Kent.)

1900. Iddon, James, Brookfield Iron Works, Leyland, near Preston.

1896. Iden, George, Hopedale, Spencer Park, Coventry.

1882. Ingham, William, 11 Blackfriars Street, Manchester. [4626.]

1895. Ingham, William, Town Hall, Port Elizabeth, Cape Colony.

1888. Ingleby, Joseph, 20 Mount Street, Manchester.

1905. Ingram, Alfred, Queen Anne's Chambers, Westminster, S.W.

1903. Ingram, Samuel, County Surveyor, Whipton, Exeter.

1883. Instone, Thomas, 101 Leadenhall Street, London, E.C.

1892. Irons, Thomas, Messrs. Hudson Brothers, Clyde Engineering Works, Granville, New South Wales.

1898. Irwin, Delacherois Hastings, Managing Director, Messrs. Crossley Brothers, Openshaw, Manchester. [*Crossleys, Openshaw.*]

1895. Isaac, Robert, Messrs. Owen, Isaac and Owen, Union Iron Works, Portmadoc. [*Isaac, Portmadoc.*]

1887. Ivatt, Henry Alfred, Locomotive Engineer, Great Northern Railway, Doncaster.

1884. Jacks, Thomas William Moseley, Messrs. William Beardmore and Co., Wheel and Axle Dept., Parkhead, Glasgow; and 13 Queensborough Gardens, Kelvininside, Glasgow.

1898. Jackson, Algernon Brooker, 16 Great Tower Street, London, E.C.

1904. Jackson, Gerald Hart, Chief Engineer, Electric Light and Power Co., Angel Lane, Northampton. [183.]

1900. Jackson, Harold Drinkwater, Caxton Street, Anniesland, Glasgow. [*Telemeter, Glasgow.* 122 Hillhead.]

1899. Jackson, Sir John, LL.D., F.R.S.E., 53 Victoria Street, Westminster, S.W. [*Cofferdam, London.*]

1895. Jackson, Robert Cattley, British Thomson-Houston Co., Kings Court, Colmore Row, Birmingham.

1886. Jackson, Thomas, Woodlands View, Horsforth, near Leeds.

1889. Jackson, William, Thorn Grove, Mannofield, Aberdeen.

1876. Jacobs, Charles Mattathias, 78 Gracechurch Street, London, E.C. [*Vexillum, London.*]

1901. Jacobs, Lieut. Joseph John, R.E., 63 Marine Parade, Sheerness.

1878. Jakeman, Christopher John Wallace, Bouldnor Lodge, 10 Lewisham Hill, London, S.E.

1900. James, Charles, Jun., Messrs. Richard Hornsby and Sons, Spittlegate Iron Works, Grantham.

1889. James, Charles William, Outside Dept., Messrs. Siemens Bros., York Mansions, York Street, Westminster, S.W.

1895. James, Christopher William, Messrs. Joshua Buckton and Co., Well House Foundry, Meadow Road, Leeds.

1895. James, Enoch, Glan-y-llyn, Roath Park, Cardiff.

1899. James, Herbert Holland, care of Frank James, Silkmore Hall, Stafford.

1889. James, Reginald William, Messrs. Fell and James, 1 Queen Victoria Street, London, E.C. [*Lodestone, London.* 317 Bank.]

1899. James, Thomas, Carriage and Wagon Department, Midland Railway, Derby.

1898. James, William Henry, College of Engineering, Madras, India.

1879. Jameson, George, Messrs. John Jameson and Son, Bow Street Distillery, Dublin.

1888. Jaques, Captain William Henry, Little Boar's Head, New Hampshire, United States.

1902. Jarvis, Richard, care of Baron L. Knoop, Maison de la Banque des Marchands, Rue Ilyinka, Moscow, Russia.

1888. Jeejeebhoy, Piroshaw Bomanjee, 37 Pedder Road, Bombay, India.

1901. Jefferies, Harold Sellis, Messrs. Ransomes, Sims and Jefferies, Orwell Works, Ipswich. [*Ransomes, Ipswich.* 11.]

1881. Jefferiss, Thomas, Messrs. Tangyes, Cornwall Works, Soho, near Birmingham. [*Tangyes, Birmingham.*]

1877. Jeffreys, Edward Homer, Hawkhills, Chapel Allerton, Leeds.

1902. Jeffreys, John, 11 Old Queen Street, Westminster, S.W. [482 Westminster.]

1901. Jenkin, Bernard Maxwell, 17 Victoria Street, Westminster, S.W.
[*Kinematic, London.*]

1893. Jenkin, Charles Frewen, 34 Ladbroke Square, Notting Hill, London, W.

1894. Jenkin, Thomas Henry, Messrs. J. Jamieson and Co., Queen's Dock Chambers, Hull. [*Propeller, Hull.* 94.]

1880. Jenkins, Rhys, 10 Berkeley Road, Crouch End, London, N.

1892. Jenkins, William John, Messrs. W. J. Jenkins and Co., Beehive Works, Retford.

1903. Jenkinson, Edward Henry, Messrs. W. and A. McArthur, 15 Macquarie Place, Sydney, New South Wales.

1896. Jenkinson, Thomas, 17 Windle Street, St. Helens, Lancashire.

1893. Jennings, Henry Horwood, Messrs. Edwin Oldroyd and Co., Crown Works, Leeds. [*Calorifica, Leeds.* Central 241.]

1878. Jensen, Peter, 77 Chancery Lane, London, W.C. [*Venture, London.*]

1902. Jepson, James Thomas, Queen Anne's Chambers, Tothill Street, Westminster, S.W.

1889. Jessop, George, Messrs. Jessop and Appleby Brothers, London Steam-Crane and Engine Works, Leicester. [*Jessop, Leicester.*]

1897. Johns, Cosmo, Messrs. Vickers, Sons and Maxim, River Don Works, Sheffield.

1896. Johnson, Andrew, 6 Beaton Road, Maxwell Park, Glasgow.

1905. Johnson, Frederick Dwight, Managing Director, Consolidated Pneumatic Tool Co., Palace Chambers, 9 Bridge Street, Westminster, S.W.

1906. Johnson, Henry Theophilus, Canadian-American Linotype Corporation, 8 Bouverie Street, Fleet Street, London, E.C.

1890. Johnson, John William, care of Baron L. Knoop, Maison de la Banque des Marchands, Ilyinka, Moscow, Russia.

1891. Johnson, Lacey Robert, Assistant Superintendent of Rolling Stock, Canadian Pacific Railway, Montreal, Canada.

1888. Johnson, Lawrence Potter, Deputy Locomotive Superintendent, Burma Railways, Insein, Burma.

1861. Johnson, Samuel Waite, Lenton House, Lenton Road, The Park, Nottingham.

1906. Johnston, Alexander, Superintendent, Public Works Department, Sandakan, British North Borneo.

1900. Johnston, Charles Morison, Borough Electrical Engineer, Electricity Works, Shrewsbury.

1896. Johnston, James, Chief Engineer, Brighton Corporation Water Works, 12 Bond Street, Brighton. [140.]

1882. Jolin, Philip, 25 Temple Street, Bristol.

1890. Jones, Arthur Dansey, Locomotive Department, Lancashire and Yorkshire Railway, Horwich, Lancs.

1891. Jones, Charles Frederick, 85 Davenport Street, Bolton.

1871. Jones, Charles Henry, Hazeldene, Duffield, Derby.

1873. Jones, Edward, Broomfield House, Perry Barr, Birmingham.

1884. Jones, Felix; Messrs. Jones and Foster, 39 Bloomsbury Street, Birmingham.

1878. Jones, Frederick Robert, Superintending Engineer, Sirmoor State, Nahan, near Umballa, Punjab, India: (or care of Messrs. Richard W. Jones and Co., Newport, Monmouthshire.)

1867. Jones, George Edward, 25 Lexham Gardens, Cromwell Road, London, S.W.

1903. Jones, George Phillips, Works Manager, Messrs. John Jones and Sons, Britannia Foundry, Loughborough; and 65 Forest Road, Loughborough.

1878. Jones, Harry Edward, 142-3 Palace Chambers, Bridge Street, Westminster, S.W.

1881. Jones, Herbert Edward, Locomotive, Carriage and Wagon Superintendent, Cambrian Railways, Oswestry.

1882. Jones, Samuel Gilbert, Steanbridge House, near Stroud, Gloucestershire.

1887. Jones, Thomas, Central Board School, Deansgate, Manchester; and 4 Manley Road, Alexandra Park, Manchester.

1900. Jones, Walter, Titan Works, Stourbridge.

1872. Jones, William Richard Sumption, 4 Whitehall Court, London, S.W.

1883. Jordan, Edward, Manager, Cardiff Junction Dry Dock and Engineering Works, Cardiff.

1891. Jordan, Henry George, Jun., Municipal School of Technology, Sackville Street, Manchester; and 6 Manley Road, Whalley Range, Manchester.

1891. Judd, Joseph Henry, Education Offices, Deansgate, Manchester.

1884. Justice, Howard Rudolph, 55 and 56 Chancery Lane, London, W.C. [*Syng, London. Holborn 3.*]

1888. Kapteyn, Albert, 11 Kurhausstrasse, Zürich, Switzerland.

1904. Kaye, Walter Kelita, Messrs. Joseph Kaye and Sons, Lock Works, Hunslet, Leeds. [*Wedge, Leeds. 506.*]

1900. Keatinge, Sherbrooke Augustus John, Indian State Railways, Lucknow, India.

1904. Keay, James, Messrs. E. C. and J. Keay, Princes Chambers, Corporation Street, Birmingham. [*Keay, Birmingham. 430.*]

1905. Keay, James Alfred, British United Shoe Machinery Co., Union Works, Belgrave Road, Leicester.

1869. Keen, Arthur, London Works, near Birmingham. [*Globe, Birmingham.*]

1883. Keen, Francis Watkins, London Works, near Birmingham.

1901. Keightley, Alfred Percival, Manager, Messrs. Oakes and Co., 9 Broadway, Madras, India.

1904. Keith, James, James Keith and Blackman Co., 27 Farringdon Avenue, London, E.C.

1899. Kekewich, George Ormond, Middlesex County Council, Guildhall Westminster, S.W. [*Westminster 218.*]

1881. Kendal, Ramsey, Locomotive Department, North Eastern Railway, Darlington.

1879. Kennedy, Sir Alexander Blackie William, LL.D., F.R.S., Emeritus Professor of Engineering, University College, London: 17 Victoria Street, Westminster, S.W. [*Kinematic, London.*]

1892. Kennedy, Thomas, The Glenfield Engineering Works, Kilmarnock.

1875. Kenrick, George Hamilton, Messrs. A. Kenrick and Sons, Spon Lane, West Bromwich; and Whetstone, Somerset Road, Edgbaston, Birmingham.

1902. Kenrick, John Archibald, Messrs. Archibald Kenrick and Sons, Spon Lane, West Bromwich; and Harborne House, Harborne, Birmingham.

1892. Kensington, Frederick, 2 Copthall Buildings, London, E.C.

1906. Kermode, John Jonathan, 39 Imperial Chambers, 62 Dale Street, Liverpool.

1896. Kerr, Alfred Ernest Campbell (*Life Member*), 161 Dana Street, Ballarat, Victoria.

1866. Kershaw, John, The Hôtel Métropole, London, W.C.

1906. Kershaw, Thomas, 42/2 Kitano-cho, 3 Chome, Kobe, Japan.

1884. Kershaw, Thomas Edward, Ardnacoombie, King's Norton, Birmingham.

1903. Kett, George, 108 Gordon Road, Peckham Rye, London, S.E.

1885. Keyworth, Thomas Egerton, Central Cuban Railways, Sagua la Grande, Cuba: (or care of J. R. H. Keyworth, 28 Grosvenor Road, Birkenhead.)

1885. Kidd, Hector, Colonial Sugar Refining Co., Sydney, New South Wales.

1903. Kidd, John William, Messrs. Kerr, Stuart and Co., Stoke-on-Trent.

1894. Kiernan, George, Manager, Messrs. Gresham and Craven, Craven Iron Works, Salford, Manchester.

1888. Kikuchi, Kyozo, Superintendent Engineer, Hirano Spinning Mill, Osaka, Japan.

1899. Kilgour, Martin Hamilton, care of H. Stroud, Clarence Street, Cheltenham.

1901. Kimber, Harry Watkins, Messrs. Dick, Kerr and Co., Abchurch Yard, Cannon Street, London, E.C.

1895. King, Charles Penrose, Resident Engineer, Ilkeston and Hleanor Water Works; 3 Clarence Terrace, Holme Road, Matlock-Bath.

1900. King, Charles Philip, 85 Upper Richmond Road, Putney, London, S.W.
1897. King, Henry Charles, Great Western Railway Works, Swindon.
1895. King, Thomas Scott, 43 Westbourne Road, Penarth.
1872. King, William, 5 Beach Lawn, Waterloo, Liverpool.
1877. Kirk, Henry, Messrs. Kirk Brothers and Co., New Yard Iron Works, Workington. [*Kirks, Workington.*]
1906. Kirk, John William, Superintendent Engineer, Akassa, Southern Nigeria, West Africa.
1884. Kirkaldy, John, 101 Leadenhall Street, London, E.C. [*Compactum, London.*]
1899. Kirkaldy, William George, 99 Southwark Street, London, S.E. [2439 Hop.]
1902. Kitching, Alfred, Messrs. Behn Meyer and Co., Singapore, Straits Settlements.
1859. Kitson, The Right Hon. Sir James, Bart., M.P., Monk Bridge Iron Works, Leeds.
1889. Knap, Conrad, 11 Queen Victoria Street, London, E.C.
1886. Knight, Charles Albert, 6 Upper Avenue Road, Hampstead, London, N.W.
1890. Knight, James Percy, Kaiser Steam Tug Co., 27 Great Tower Street, London, E.C. [*Longboat, London. Avenue 203.*]
1903. Knight, William Edward, Motive Power Superintendent, Cuba Railroad Co., Camaguey, Cuba.
1900. Knowles, John, Messrs. Bradbury, Brady and Co., Bombay, India.
1904. Knowles, John William, Messrs. J. W. Knowles and Sons, Atlas Works, 140 Thornton Road, Bradford. [*Knowable, Bradford. 1873.*]
1905. Kuroda, Tsunema, Müke Coal Mines, Chikugo, Japan.
1896. Kwang, Kwong Yung (*Life Member*), Lin-cheng Mines, Lu-Han Railway, North China, via Peking.

1906. Lacey, Ernest Matthew, Messrs. Lacey, Sillar and Leigh, 2 Queen Anne's Gate, Westminster, S.W.
1898. Lackland, John James, Water Engineer, Town Hall, St. Helens, Lancashire. [69.]
1897. Lacy-Hulbert, Charles Edward, 91 Victoria Street, Westminster, S.W.
1883. Lake, William Robert, Alaska, York Road, Sutton, Surrey.
1903. Lambert, Harold, Messrs. Hudswell, Clarke and Co., Railway Foundry, Leeds.
1897. Lambert, William Fraser, Messrs. G. S. Goodwin and Co., 19 James Street, Liverpool.

1883. Lander, Philip Vincent, Messrs. Firebrace and Lander, 441 Bartolomé Mitre 2º. Piso, Buenos Aires, Argentine Republic.

1896. Lane, Francis Lawrence, Works Manager, Leeds Forge, Leeds.

1906. Lang, Robert (*Life Member*), Messrs. John Lang and Sons, Johnstone, Glasgow.

1881. Langdon, William, St. Margaret's, Babbacombe, Torquay.

1881. Lange, Frederick Montague Townshend, 29 Red Lion Street, Clerkenwell, London, E.C.

1879. Lapage, Richard Herbert, Sheen House, Walmer. [*Lapage, Walmer.*]

1895. Larard, Charles Edward, Engineering Department, Northampton Instituto, Clerkenwell, London, E.C.

1899. Lash, Horatio William, Manager, Albion Works, Sheffield.

1888. Latham, Baldwin, Parliament Mansions, Victoria Street, Westminster, S.W.; and Duppas House, Old Town, Croydon.

1899. Latta, James Gilmore, 78 Billiter Buildings, London, E.C.

1890. Laurie, Leonard George, 15 Cardiff Road, Newport, Monmouthshire.

1904. Lawes, George Elliot, Gefe Traccion y Talleres, Ferro Carril Central Paraguay, Paraguay.

1867. Lawrence, Henry, 13 Devonshire Place, Newcastle-on-Tyne.

1905. Lawrence, Maximilian Robert, Works Manager, Wolseley Tool and Motor Car Co., Crayford, S.O., Kent; and Fieldhead, Southwood Road, New Eltham, Eltham.

1905. Lawrie, Peter Stanley, Superintendent, Koe Guan Steamship Co., Beach Street, Penang, Straits Settlements.

1882. Lawson, Frederick William, Messrs. Samuel Lawson and Sons, Hope Foundry, Leeds.

1870. Layborn, Daniel, Messrs. Daniel Layborn and Co., Dutton Street, Liverpool.

1883. Laycock, William S., Victoria Street Works, Sheffield; and Ranmoor, Sheffield. [*Invention, Sheffield.* 907.]

1906. Layton, Henry Edward, Apartado 82, Bilbao, Spain.

1902. Lazenby, Arthur, Messrs. Willans and Robinson, Victoria Works, Rugby.

1901. Lea, Frederick Mackenzie, 38 Bennett's Hill, Birmingham. [*Engineer, Birmingham.* 113.]

1860. Lea, Henry, Messrs. Henry Lea and Son, 38 Bennett's Hill, Birmingham. [*Engineer, Birmingham.* 113.]

1906. Lea, James Edward, 46 Brown Street, Manchester.

1892. Lea, Richard Henry, Messrs. Lea and Francis, Coventry.

1889. Leaf, Henry Meredith, 4 Barton Street, Westminster, S.W.

1883. Leavitt, Erasmus Darwin, 317 Harvard Street, Cambridge, Massachusetts, United States.

1890. Ledingham, John Machray, Royal Laboratory, Royal Arsenal, Woolwich.

1862. Lee, J. C. Frank, 42 Gloucester Gardens, Hyde Park, London, W.

1892. Lee, Richard John, Messrs. Harrison, Lee and Sons, City Foundry, Limerick.

1890. Lee, Samuel Edward, Messrs. Harrison, Lee and Sons, City Foundry, Limerick.

1863. Lees, Samuel, Messrs. H. Lees and Sons, Park Bridge Iron Works, Ashton-under-Lyne.

1889. Legros, Lucien Alphonse, Melbury, Clarendon Road, Watford.

1896. Leisse, George Charles, Messrs. John Fowler and Co., Steam Plough and Locomotive Works, Leeds.

1897. Leitch, Archibald, Argyll Chambers, Argyll Arcade, Buchanan Street, Glasgow. [*Tracing, Glasgow. Royal 5197.*]

1898. Leopard, Charles William, 52 Queen Victoria Street, London, E.C. [Bank 657.]

1905. Leslie, Bradford, 7 The Sanctuary, Westminster, S.W.

1901. Leslie, William, Palace Chambers, St. George's Terrace, Perth, Western Australia.

1905. L'Estrange, Arthur Henry Carleton, 4 and 5 The Clock House, Arundel Street, Strand, London, W.C.

1878. Lewis, Gilbert, 28 Christchurch Road, Folkestone.

1905. Lewis, Lewis Holme, Engineer, Manchester Corporation Hydraulic Power Supply, Whitworth Street West, Manchester.

1884. Lewis, Sir William Thomas, Bart., Bute Mineral Estate Office, Aberdare and Mardy, Aberdare.

1894. Liebert, Henry Anton, Messrs. John Holroyd and Co., Perseverance Works, Milnrow, Rochdale.

1880. Lightfoot, Thomas Bell, Cornwall Buildings, 35 Queen Victoria Street, London, E.C. [*Separator, London.*]; and Kemnal Wood, Chislehurst. [*Lightfoot, Chislehurst.*]

1903. Lilly, Walter Elsworthy, Assistant Professor of Civil Engineering, 39 Trinity College, Dublin.

1903. Lindley, Herbert, Manager, Messrs. Kendall and Gent, Victoria Works Gorton, Manchester.

1901. Lindsay, Robert, Somerville House, Dundee.

1891. Lindsay, William Robertson, 1 Lorne Terrace, Maryfield, Dundee.

1890. Lineham, Wilfrid James, The Goldsmiths' Institute, New Cross, London, S.E.; and 21 Newstead Road, Lee, London, S.E.

1902. Lironi, Vittorio Giovanni, Resident Engineer, Portsmouth Corporation Tramways, Power Station, Fratton, Portsmouth; and Como Villa, London Road, North End, Portsmouth.

1876. Lishman, Thomas, Mining Engineer, Hetton Colliery, near Fence Houses.

1881. List, John, Superintendent Engineer, Messrs. Donald Currie and Co., Orchard Works, Blackwall, London, E.; and 3 St. John's Park, Blackheath, London, S.E.

1890. Lister, Robert Ramsbottom, 11 Athol Road, Alexandra Park, Manchester.

1900. Little, Edwin, Engineer Captain R.N., H.M.S. "Bulwark," Mediterranean Station.

1901. Little, Gilbert, Clevedon, Smethwick, Birmingham. [50 Smethwick.]

1904. Little, John, Chief Engineer, Messrs. Cammell, Laird and Co., Cyclops Steel and Iron Works, Sheffield.

1905. Litton, Francis Henry, c/o A. J. MacDermott, The Park, Killarney.

1890. Livens, Frederick Howard, Messrs. Ruston Proctor and Co., Sheaf Iron Works, Lincoln.

1900. Liveredge, Henry Thomas, Engineer Commander R.N., H.M.S. "Hermione," care of Postmaster General, London, E.C.

1901. Livesey, Sir George Thomas, South Metropolitan Gas Works, Old Kent Road, London, S.E.

1901. Livesey, Robert Martyn, Locomotive Superintendent, Co. Donegal Railways Joint Committee, Stranorlar, Co. Donegal.

1895. Livingston, James, 30 Great St. Helen's, London, E.C. [*Cinerry, London.*]

1886. Livsey, John Edward, 34 Octavia Street, Battersea, London, S.W.

1905. Lloyd, Major Frederick Lindsay, R.E., War Office, Horse Guards, Whitehall, London, S.W.

1882. Lloyd, Robert Samuel, Messrs. Hayward Tyler and Co., 99 Queen Victoria Street, London, E.C. [*Tylerox, London.* 192 Bank.]

1897. Loane, Samuel Joshua, Chief Engineer, Madras Municipality, Municipal Office, Madras, India.

1900. Lobb, Christopher, St. Erth Villa, Bartholomew Road, Camden Road, London, N.W.

1898. Lobnitz, Fred, Messrs. Lobnitz and Co., Renfrew, near Paisley; and Auchinbothie, Kilmacolm, Renfrewshire.

1879. Lockhart, William Stronach, 67 Granville Park, Blackheath, London, S.E.

1895. Longbottom, John Gordon, Professor of Mechanics, Glasgow and West of Scotland Technical College, Glasgow.

1894. Longridge, Captain Cecil Clement, Saltash.

1880. Longridge, Michael, Chief Engineer, British Engine, Boiler and Electrical Insurance Co., 12 King Street, Manchester.

1856. Longridge, Robert Bewick, Managing Director, British Engine, Boiler and Electrical Insurance Co., 12 King Street, Manchester; and Yew Tree House, Tabley, near Knutsford.

1875. Longridge, Robert Charles, Kilrie, Knutsford.

1880. Longworth, Daniel, Messrs. Alcock, Ashdown and Co., Mazagon, Bombay, India.

1899. Lonnon, William, Engineer Commander R.N., 93 London Road, Portsmouth.

1887. Lorrain, James Grieve, Norfolk House, Norfolk Street, London, W.C. [*Lorrain, London.*]

1901. Loud, Henry Sherman, Messrs. Humphreys and Glasgow, 31 Nassau Street, New York, United States.

1888. Low, David Allan, Professor of Engineering, East London College, Mile End Road, London, E.

1903. Low, William, Messrs. James F. Low and Co., Monifieth Foundry, Monifieth, Dundee. [*Low, Monifieth. 1 Monifieth.*]

1873. Lucas, Arthur, 27, Bruton Street, New Bond Street, London, W.

1889. Lucy, Arthur John, The Old Hill, Astley, Stourport.

1897. Lucy, Ernest Edward, Government Railways, Eveleigh, Sydney, New South Wales.

1886. Lucy, William Theodore, 107 Woodstock Road, Oxford.

1902. Lukis, Wilfrid Ravenshaw Fellowes, Messrs. Samuel and Samuel and Co., Yokohama, Japan.

1895. Lumsden, Thomas Templeton Mackie, Managing Director, Messrs. James Milne and Son, Milton House Works, Edinburgh.

1877. Lupton, Arnold, M.P., 7 Victoria Street, Westminster, S.W. [5078 Westminster.]

1897. Lupton, Hugh, Messrs. Hathorn, Davey and Co., Sun Foundry, Dewsbury Road, Leeds. [*Hathorn, Leeds. Central 524.*]

1900. Lupton, William Walter, Messrs. Joshua Buckton and Co., Well House Foundry, Meadow Road, Leeds; and Malton.

1892. Macbean, John James, Messrs. Howarth Erskine and Co., Singapore, Straits Settlements.

1888. Macbeth, John Bruce King, 44 Tamarind Lane, Bombay, India.

1883. Macbeth, Norman, 23 Acresfield, Bolton.

1884. MacCarthy, Samuel, Messrs. Lloyd and Lloyd, 90 Cannon Street, London, E.C.; and 18 Adelaide Road, Brockley, London, S.E.

1877. MacColl, Hector, Bloomfield, Belfast.

1897. MacDonald, David Johnstone, South St. Roque's Works, Dundee. [*Medalist, Dundee. 239.*]

1904. Macdonald, Donald, 13 Beaconsfield Arcade, Hong Kong, China.

1901. Macdonald, Fitz Charles, 55 West Regent Street, Glasgow. [*Kindat, Glasgow.*]

1903. Macdonald, James Turriff Sinclair, Bristol Wagon Works, Lawrence Hill, Bristol.

1899. Macdonald, John, Bridge Turbine Works, Pollokshaws, Glasgow.
 [Consulting, Pollokshaws. Z 243.]

1895. MacGarvey, Howard, Lombard Street Works, Dublin.

1906. MacGregor, James, Manager, Messrs. Sanderson Brothers and Newbould, Sheffield.

1897. MacIvor, Alexander, Messrs. Potter and Co., Hollins Paper Mills, Darwen.

1890. Mackay, Joseph, Oriental Avenue, Bangkok, Siam. [Mackay, Bangkok.]

1885. MacKenzie, John William, Messrs. Wheatley and MacKenzie, 40 Chancery Lane, London, W.C.; and Oakamoor, Dartnell Park, Byfleet, Weybridge.

1883. Mackenzie, Thomas Brown, Messrs. David Colville and Sons, Dalzell Steel and Iron Works, Motherwell; and Elenslee, Wilson Street, Motherwell.

1906. MacKie, William Arbuckle, Messrs. MacKie and Thomson, Govan Shipbuilding Yard, Govan, Glasgow.

1875. Maclagan, Robert, 16 Rutland Court, London, S.W.

1886. MacLean, Alexander Scott, Messrs. Alexander Scott and Sons, Sugar Refinery, Berry-yards, Greenock; and 31 Bank Street, Greenock.

1901. Maclure, William George Percy, Locomotive Running Superintendent, Great Central Railway, Gorton, Manchester.

1901. Macmillan, Colin Campbell, Bengal Iron and Steel Co., Burrakur, Bengal, India.

1906. Macmillan, Hugh, Les Forges et Fonderies de Maurice, Port Louis, Mauritius: (or care of Arthur Titley, Curzon Chambers, Paradise Street, Birmingham).

1902. MacNay, Arthur, District Locomotive Superintendent, Cape Government Railways, De Aar, Cape Colony.

1901. MacQueen, John, Messrs. Yarrow and Co., Isle of Dogs, Poplar, London, E.

1906. Madeley, Charles, Messrs. Taylor and Challen, 60-62 Constitution Hill, Birmingham.

1879. Maginnis, James Porter, 11 Carteret Street, Queen Anne's Gate, Westminster, S.W. [Offset, London. G.P.O. 192 Victoria.]

1901. MaGuire, Frederick George, Messrs. Davidson and Co., Sirocco Engineering Works, Belfast.

1891. Mahon, Colonel Reginald Henry, R.A., India Office, Westminster, S.W.

1900. Main, John Palmer Scott, Assistant Inspecting Officer of Railways, Board of Trade, Trafalgar Buildings, 1 Charing Cross, London, S.W.

1873. Mair-Rumley, John George (*Life Member*), 43 Palace Court, London, W. [Ipswich, London.]

1884. Mais, Henry Coathupe, 2 Prell's Buildings, Collins and Queen Streets, Melbourne, Victoria.

1898. Maitland, Cree, The Crane Works, Parkhead, Glasgow.

1906. Major, Charles George, Messrs. Archibald Smith and Stevens, Janus Works, Queen's Road, Battersea, London, S.W.

1883. Malan, Ernest de Mérindol, Westinghouse Brake Co., York Road, King's Cross, London, N.

1879. Malcolm, Bowman, Locomotive Engineer, Belfast and Northern Counties Railway, Belfast.

1896. Malloch, William Farquhar, Town Office, Uitenhage, Cape Colony.

1891. Manisty, Edward, Dundalk Iron Works, Dundalk, Ireland; and 24A Bryanston Square, London, W.

1888. Mano, Bunji, Professor of Mechanical Engineering, Imperial University, Tokyo, Japan.

1894. Mansfield, Edwin Albert, 59 Green Bank Road, Devonshire Park, Birkenhead.

1891. Manson, James, Locomotive Superintendent, Glasgow and South Western Railway, Kilmarnock.

1897. Mantle, Harry George, Old Level Iron Works, Brierley Hill. [*Hall, Brierley Hill.* 12,005.]

1893. Manton, Arthur Woodroffe, B.Sc., Messrs. S. Pearson and Son, Incorporated East River Tunnels, Long Island City, N.Y., United States.

1862. Mappin, Sir Frederick Thorpe, Bart., Messrs. Thomas Turton and Sons, Sheaf Works, Sheffield; and Thornbury, Sheffield.

1897. Mapplebeck, Edward, Messrs. John Wilkes, Sons and Mapplebeck, Liverpool Street, Birmingham. [*Wilkes, Birmingham.*]

1878. Marić, Georges, 4 Boulevard des Sablons, Neuilly-sur-Seine, France.

1900. Markham, Reginald Gascoigne Law, R.N., Hawthorns, Burlington Lane, Chiswick, London, W.

1891. Marks, Edward Charles Robert, 13 Temple Street, Birmingham.

1888. Marks, George Croydon, M.P., 18 Southampton Buildings, Chancery Lane, London, W.C. [*Reconstruction, London.*]

1896. Markwick, Alfred Ernest, Superintendent of Machinery, Karachi Municipality, Lawrence Road, Karachi, India.

1884. Marquand, Augustus John, 2 Dock Chambers, Bute Docks, Cardiff. [*Martial, Cardiff.*]

1900. Marriner, William Wright, B.Sc., Messrs. Yarrow and Co., Isle of Dogs, Poplar, London, E.

1887. Marriott, William, Engineer and Locomotive Superintendent, Midland and Great Northern Joint Railways, Melton Constable, Norfolk.

1896. Marsh, Douglas Earle, Locomotive and Carriage Superintendent, London Brighton and South Coast Railway, Brighton.

1900. Marshall, Alfred William, 28 New Bridge Street, Ludgate Circus, London, E.C. [332 Central.]

1890. Marshall, Frank Herbert, Messrs. Wilsons, Pease and Co., Tees Iron Works, Middlesbrough.

1897. Marshall, Herbert John, Messrs. Marshall, Sons and Co., Britannia Iron Works, Gainsborough. [Marshall, Gainsborough. 10.]

1901. Marshall, Hermann Dickenson, Messrs. Marshall, Sons and Co., Britannia Iron Works, Gainsborough.

1871. Marshall, James, Messrs. Marshall, Sons and Co., Britannia Iron Works, Gainsborough. [Marshall, Gainsborough. 10.]

1885. Marshall, Jenner Guest, Tyndall Works, Sloane Street, Camden Street, Birmingham. [Work, Birmingham. 2035.]

1899. Marshall, Launcelot Paul, Northern Outfall Works, Beckton, North Woolwich, London, E.

1896. Marshall, Lewis, Greenroyd, Halifax.

1902. Marshall, Robert, 5 Great Winchester Street, London, E.C.

1877. Marshall, William Bayley, 21 St. John's Wood Park, London, N.W. [Einmal, London. 2762 P.O. Hampstead.]

1899. Marsland, John Samuel, Drakes Ltd., Halifax. [Drakeson, Halifax. 43.]

1859. Marten, Edward Bindon, Pedmore, Stourbridge. [Marten, Stourbridge. 8504.]

1881. Martin, Edward Pritchard (*Life Member*), Dowlais Iron Works, Dowlais; and The Hill, Abergavenny.

1905. Martin, Francis Ambrose, Messrs. Singh and Sons, Rawal Pindi, Punjab, India.

1886. Martin, William Hamilton, Engineering Manager, The Scheldt Royal Shipbuilding and Engineering Works, Flushing, Holland.

1882. Martindale, Warine Ben Hay, 83 Cannon Street, London, E.C.; and Haistwell House, Sunningdale, Ascot.

1884. Massey, George, Post Office Chambers, Pitt Street, Sydney, New South Wales.

1903. Massey, Harold Fletcher, Works Manager, Messrs. B. and S. Massey, Openshaw, Manchester.

1895. Massey, Leonard Fletcher, Messrs. B. and S. Massey, Openshaw, Manchester. [Masseys, Openshaw. 300.]

1893. Massey, William Henry, 25 Queen Anne's Gate, Westminster, S.W.; and Twyford, R.S.O., Berkshire.

1892. Masterton, John Fraser, Locomotive Department, South Eastern and Chatham Railway, Ashford, Kent.

1903. Masterton, Walter Neill, Marine Department, Singapore, Straits Settlements.

1899. Mastrantonis, Panayotis, Engine and Boiler Works, Piraeus, Greece.

1894. Mather, George Radford, Messrs. G. R. Mather and Son, Albion Foundry, Wellingborough. [*Mather, Wellingborough.*]

1867. Mather, Sir William, Messrs. Mather and Platt, Salford Iron Works, Manchester. [*Mather, Manchester.*]

1883. Mather, William Penn, Queen Dyeing Co., Providence, Rhode Island, United States.

1900. Mathews, Charles James, Chief Inspector of Machinery, Perth, Western Australia.

1902. Mathot, Rodolphe, 24 Rue St. Christophe, Brussels, Belgium.

1907. Matthews, Joseph, 91 and 93 Northumberland Street, Liverpool.

1886. Matthews, Robert, Parris House, Heaton Mersey, near Manchester.

1893. Maunsell, Richard Edward Lloyd, Assistant Locomotive Engineer, Great Southern and Western Railway, Inchicore Works, near Dublin.

1873. Maw, William Henry, 35 Bedford Street, Strand, London, W.C. [*Gerrard 3663.*]

1884. Maxim, Sir Hiram Stevens, Thurlow Park, 379 Norwood Road, West Norwood, London, S.E.

1905. Maxwell, David William Francis, Java Villa, Weybridge.

1903. May, Charles Ramsden, Orwell Lodge, Erith, S.O., Kent.

1859. Maylor, William (*Life Member*), The Grange, Hanley Swan, Worcester.

1905. McBride, William, Works Manager, Messrs. Otto Trechmann, Warren Cement Works, Hartlepool.

1905. McColl, Hugh, Ohlsson's Cape Breweries, Newlands, Cape Colony.

1898. McCowen, Victor A. H., City Electrical Engineer, Town Hall, Belfast.

1904. McCrae, William, Chief Engineer, Falkirk Gas Corporation, Gas Works, Falkirk.

1891. McCredie, Arthur Latimer, 9 Bridge Street, Sydney, New South Wales. [*Ebony, Sydney.* 63.]

1878. McDonald, John Alexander, Assistant Engineer-in-Chief, Public Works Department, Perth, Western Australia: (or care of James E. McDonald, 4 Chapel Street, Cripplegate, London, E.C.)

1891. McFarlane, George, 34 West George Street, Glasgow. [*Dunsloy, Glasgow.* Royal 3777.]

1905. McFarlane, John Alexander, Messrs. McMurray's Royal Paper Mills, Wandsworth, London, S.W.

1895. McGee, Walter, Albion Works, Laighpark, Paisley. [137.]

1899. McInnes, David Whitton, Messrs. Hayward Brothers and Eckstein, Union Iron Works, Union Street, Borough, London, S.E. [*Hayward Brothers, London.* Hop 193.]

1889. McIntyre, John Henry A., Lecturer on Engineering Drawing, Glasgow and West of Scotland Technical College, Glasgow.

1902. McIvor, Benjamin Robert, Superintending Engineer, Amazon Steam Navigation Co., Manaos, Brazil; and 27 Halkyn Avenue, Sefton Park, Liverpool.

1901. McKechnie, James, Messrs. Vickers, Sons and Maxim, Naval Construction Works, Barrow-in-Furness.

1880. McLachlan, John, Messrs. Bow, McLachlan and Co., Thistle Engine Works, Paisley. [*Bow, Paisley.*]

1888. McLaren, Henry, Messrs. J. and H. McLaren, Midland Engine Works, Leeds. [*McLaren, Leeds.*]

1903. McLaren, John, Messrs. J. and H. McLaren, Midland Engine Works, Leeds. [*McLaren, Leeds.*]

1903. McLaren, John, Messrs. G. Grinyer and Co., 59 White Horse Street, London, E.

1900. McLaren, John Alexander, 48 St. Michael's Road, Headingley, Leeds.

1882. McLaren, Raynes Lauder, 11 Amherst Avenue, Ealing, London, W.

1899. McLaren, Richard Andrew, Babcock and Wilcox Co., Renfrew, R.S.O., Renfrewshire.

1901. McLaren, William Alexander, P.O. Box 917, Cape Town, Cape Colony.

1888. McLarty, Farquhar Matheson, 52 Forsyth Street, Greenock. [*Unique, Greenock.*]

1902. McMahon, John Joseph, Corporation Tramways, 55 Piccadilly, Manchester.

1904. McMahon, Peter Valentine, Chief Engineer, City and South London Railway, 195 Clapham Road, London, S.W.

1885. McNeil, John, Messrs. John McNeil and Co., Helen Street, Govan, Glasgow [*Colonial, Glasgow.*]; and Rosario, Dalkeith Avenue, Dumbreck, Glasgow.

1896. McPherson, Stewart, Manager, Barnagore Jute Works, Calcutta, India.

1901. McQueen, John Charles, St. Georges, Grenada, West Indies.

1903. McReddie, Charles Edward Boyesen, 352 Laprida, Buenos Aires, Argentine Republic.

1903. McRitchie, George Scott, Manager, Bridge Road Iron Works, Pyrmont, Sydney, New South Wales.

1891. Meade, Thomas de Courcy, Town Hall, Manchester.

1899. Meaden, Nicholas, R.N., Danbury, Alexandra Road, Reading.

1905. Meek, John, Middleborough Road, Coventry. [Former Member 1898-1901.]

1881. Meik, Charles Scott, care of P. Walter Meik, 16 Victoria Street, Westminster, S.W.

1887. Melhuish, Frederick, Assistant Engineer, Southwark and Vauxhall Water Works, Southwark Bridge Road, London, S.E.

1903. Mell, Leonard Parry, Chief Engineer, Messrs. Samuel Allsopp and Sons, The Brewery, Burton-on-Trent.

1906. Mellanby, Alexander Lawson, D.Sc., Professor of Engineering, The Technical College, Glasgow.

1891. Melville, William Charles, 53 and 55 Cornwallis Street, Liverpool.

1888. Melville, William Wilkie, Messrs. E. Green and Son, Hastings House, Norfolk Street, Strand, London, W.C.

1900. Mendham, Conrad Field, 14 Fenchurch Street, London, E.C. [*Pyrotic, London.* Avenue 887.]

1878. Menier, Henri, 56 Rue de Châteaudun, Paris.

1906. Menzies, John, Messrs. Robert Maclaren and Co., Eglinton Foundry, Port Eglinton, Glasgow.

1897. Meredith, John, Frodingham House, Frodingham, Doncaster.

1901. Meriton, Thomas Henry Rudolph, 12 Sydenham Terrace, Sunderland.

1894. Merrick, Robert, Warren's Place Iron Works, Cork.

1896. Merrifield, Leonard Lancaster, 19 Abingdon Street, Westminster, S.W.

1875. Merryweather, James Compton, Messrs. Merryweather and Sons, Fire-Engine Works, Greenwich Road, London, S.E.; and 4 Whitehall Court, London, S.W. [*Merryweather, London.*]

1906. Metcalfe, James, Messrs. Davies and Metcalfe, Romiley, Manchester.

1881. Meysey-Thompson, Arthur Herbert, Messrs. Hathorn Davey and Co., Sun Foundry, Dewsbury Road, Leeds.

1904. Michell, William Henry, Engineer Lieut. R.N., Chief Engineer's Office, H.M. Dockyard, Malta.

1898. Micklewright, William, Osborne House, Wood Green Road, Wednesbury.

1899. Middleton, Harry Herbert, Messrs. Deverell and Middleton, Castle Buildings, Durban, Natal.

1884. Middleton, Reginald Empson, 17 Victoria Street, Westminster, S.W. [*Appoint, London.* Westminster 75.]

1891. Middleton, Robert, Sheepscar Foundry, Leeds.

1891. Middleton, Robert Thomas, late Assistant Engineer, Bombay, Baroda and Central India Railway, Bombay, India: 26 Selborne Road, Ilford.

1862. Miers, Francis C., Messrs. Fry Miers and Co., Suffolk House, 5 Laurence Pountney Hill, London, E.C.; and Eden Cottage, South Eden Park, Beckenham. [*Foundation, London.* Bank 920.]

1893. Millar, Jackson, Messrs. Millar and Allan, 93 Hope Street, Glasgow.

1902. Millar, Thomas, Bannachra, Broughty Ferry, S.O., Forfarshire.

1904. Miller, David, Superintendent Engineer, Spanish Royal Mail Co., 19 Princes Street, Bootle, Liverpool.

1885. Miller, Harry William, Messrs. Cunningham and Gearing, Atlas Engine Works, Bree Street, Cape Town, Cape Colony.

1886. Miller, John Smith, Messrs. Smith Brothers and Co., Hyson Green Works, Nottingham.

1887. Miller, Thomas Lodwick, 7 Tower Buildings N., Water Street, Liverpool.
 [Kinetic, Liverpool. 6216.]

1893. Milligan, William Scott, Messrs. Pollit and Wigzell, Bank Foundry, Sowerby Bridge.

1893. Millington, Frederick Handel, Manager, Patent Pulp Manufacturing Co., Thetford; and Mill House, Thetford.

1885. Millis, Charles Thomas, Principal, Educational Department, Borough Road Polytechnic, London, S.E.

1901. Mills, Frank, District Railway Engineer, Taiping, Perak, Malay Peninsula.

1905. Mills, Frederick, General Manager, Ebbw Vale, R.S.O., Mon.

1898. Mills, George Pilkington, Works Manager, Raleigh Cycle Works, Lenton, Nottingham; and The Woodlands, Beeston, Nottingham.

1898. Mills, Richard, Locomotive Department, Midland Railway, Derby; and 9 Wilson Street, Derby.

1897. Mills, William, Atlas Works, Bonner's Field, Sunderland [Engineer, Sunderland. 552.]; and Mayfield, Roker, Sunderland.

1887. Milne, William, Castle Buildings, West Street, Durban, Natal [Metallic, Durban.]; and Furnheim, Rosetta Road, Durban, Natal.

1898. Mindo, Arnold Waldemar, 52 Serpentine Road, Egremont, Birkenhead.

1902. Mitchell, Benjamin Merwin, 244 Lafayette Avenue, Passaic, New Jersey, U.S.

1898. Mitchell, George, Manager, Vacuum Brake Co., 32 Queen Victoria Street, London, E.C. [Solution, London. Bank 5534.]

1892. Mitcheson, George Arthur, Longton, Staffordshire. [Mitcheson, Longton. 4045.]

1899. Mitton, Edward Moss, Jun., Messrs. Ewen and Mitton, Smithfield Works, Sherlock Street, Birmingham. [Method, Birmingham.]

1897. Miyabara, Engineer Rear-Admiral Jiro, I.J.N., Naval Department, Tokyo, Japan.

1906. Moberly, James Edward, Craig Lea, Uplands Road, Darlington.

1896. Moffatt, Alexander Charles, Eagle Works, 328 St. James' Road, Old Kent Road, London, S.E. [Hoistway, London. 1363 Hop.]; and 67 Knatchbull Road, Camberwell, London, S.E.

1902. Moffatt, James Adam Scott, Messrs. J. Moffatt and Co., Albert Street, Belfast. [888.]

1903. Moffet, James Scott Duncan, General Manager, Rochdale Corporation Tramways, Mellor Street, Rochdale.

1898. Moleeey, Charles Simpson Twigge, Chief Engineer, Colonial Consignment and Distributing Co., Nelson's Wharf, Commercial Road, Lambeth, London, S.E.

1879. Molesworth, Sir Guilford Lindsay, K.C.I.E., 39 Victoria Street, Westminster, S.W.

1905. Molesworth, Walter Henderson, Messrs. Molesworth and Roechling, 39 Victoria Street, Westminster, S.W.

1881. Molinos, Léon, 60 Rue de la Victoire, Paris.

1899. Molloy, Harry James, Executive Engineer, Mysore, P.W.D., Chikmaglur, India.

1905. Money-Kent, Julian Money Vernon, 25 Old Queen Street, Westminster, S.W. [1156 Victoria.]

1897. Monkhouse, Edward Wyndham, Messrs. Burstall and Monkhouse, 14 Old Queen Street, Westminster, S.W. [*Instructed, London.* 771 Westminster.]

1902. Monks, Frederick William, Managing Director, Messrs. Monks, Hall and Co., Warrington.

1884. Monroe, Robert, General Manager, Barry Graving Dock and Engineering Co., Barry Dock, near Cardiff.

1898. Moon, Edgar Rupert, Locomotive Superintendent, Midland Railway of Western Australia, Midland Junction Works, Western Australia: (or care of J. E. Moon, Cloudesleigh, Brixton, near Plymouth.)

1903. Moon, James George, Messrs. C. and E. Morton, West Ferry Road, Millwall, London, E.; and 14 Toronto Road, Ilford.

1901. Moore, James, Messrs. Ralli Brothers, Karachi, India.

1895. Moore, Thomas Lamb, 1 Cromwell Road, Belfast.

1901. Moore, Walter Launcelot, Engineer Lieut. R.N., H.M.S. "Fairy," care of Postmaster-General, London, E.C.

1903. Moore, William Henry, Calcutta Port Commissioners, 9 Cullen Place, Howrah, Bengal, India.

1895. Moore, William James Perry, New Britain, Conn., United States.

1880. Moreland, Richard, Messrs. Richard Moreland and Son, 80 Goswell Road, London, E.C. [*Expansion, London.*]

1900. Morgan, Charles Hill, 21 Lincoln Street, Worcester, Massachusetts, United States.

1887. Morison, Donald Barns, Messrs. T. Richardson and Sons, Hartlepool Engine Works, Hartlepool.

1896. Morley, Herbert William, Messrs. Cole, Marchent and Morley, Prospect Foundry, Bradford. [*Cole, Bradford.* 690.]

1888. Morris, Charles, care of Messrs. Jessop and Co., 156 Leadenhall Street, London, E.C.

1874. Morris, Edmund Legh, Brae Head, Higher Warberry, Torquay.

1890. Morris, Francis Sanders, 4 Trafalgar Square, London, W.C.

1898. Morris, John, Royal Technical Institute, Salford, Manchester.

1890. Morris, John Alfred (*Life Member*), Empire Engineering Co., Empire Works, Clarendon Road, Salford, Manchester.

1901. Morris, Robert Edmund, Metropolitan Water Board, New River Works, Finsbury Park, London, N.

1903. Morrison, Ralph Percy, Messrs. Tannett Walker and Co., Goodman Street Works, Hunslet, Leeds.

1906. Morrison, William Lazonby, General Manager, Messrs. Morrison and Co., Fundicion Nacional, Valparaiso, Chile.

1902. Mortimore, William, Messrs. Meldrum Brothers, Timperley, Altrincham.

1892. Morton, David Home, 130 Bath Street, Glasgow. [*Counsel, Glasgow. 4874.*]

1900. Morton, Duncan Anderson, Errol Works, Errol, R.S.O., Perthshire.

1905. Morton, Thomas Morton Gray, Errol Works, Errol, R.S.O., Perthshire.

1904. Motion, Robert, 180 West George Street, Glasgow. [*Motionist, Glasgow.*]

1897. Moule, Frederick Oswald, Woodview, Westerfield Road, Ipswich.

1858. Mountain, Charles George, 50 Bickerton Road, Highgate, London, N.

1886. Mountain, William Charles, Messrs. Ernest Scott and Mountain, Close Works, Newcastle-on-Tyne [*Esco, Newcastle-on-Tyne. 1259.*]; and The Hermitage, Gateshead.

1895. Mount-Haes, Andrew, Humboldt Engineering Works Co., 11 Ironmonger Lane, London, E.C. [*Dressings, London. 272 Central.*]

1902. Mowat, Magnus, Jun., Engineer, Millwall Docks, London, E.

1901. Mowat, Thomas, Works Manager, Messrs. Harpers, Aberdeen.

1884. Mower, George A. (*Life Member*), Sturtevant Engineering Co., 147 Queen Victoria Street, London, E.C. [*Crosby, London. Bank 509.*]

1893. Moylan, William Morgan, care of Messrs. Grindlay and Co., Calcutta, India.

1902. Muckley, William Henry, Superintendent of Works, Corporation Tramways, Lambeth Road Works, Liverpool.

1876. Muirhead, Richard, 66 Parrock Street, Gravesend.

1890. Mumford, Charles Edward, Cross Roads House, Bouverie Road, Folkestone.

1897. Munro, Edward May, Messrs. Brecknell, Munro and Rogers, Thrissell Street, Bristol.

1890. Munro, John, Professor of Mechanical Engineering, Merchant Venturers' Technical College, Castle Branch, Castle Green, Bristol.

1890. Munro, Robert Douglas, Regent Chambers, 121 West Regent Street, Glasgow. [*Wattage, Glasgow. 1967 Argyle.*]

1889. Münster, Bernard Adolph, Engineer, Yokohama, Japan.

1901. Münzel, Max, 10 Kleine Campestrasse, Brunswick, Germany.

1890. Murray, Kenneth Sutherland, Brin's Oxygen Works, Elverton Street, Westminster, S.W. [111 Westminster.]

1894. Murray, Thomas Roberts, Managing Director, Messrs. Spencer and Co., Melksham.

1902. Musgrave, Frank Everard, Messrs. John Musgrave and Sons, Globe Iron Works, Bolton. [*Musgrave, Bolton.*]

1899. Musgrave, John Richard, Messrs. Musgrave Brothers, Crown Point Foundry, East Street, Leeds. [1226.]

1882. Musgrave, Walter Martin, Messrs. John Musgrave and Sons, Globe Iron Works, Bolton. [*Musgrave, Bolton.*]

1897. Musker, Arthur, Messrs. C. and A. Musker, Liverpool. [*Fulgor, Liverpool.* Anfield 215.]

1897. Musker, Charles, Messrs. C. and A. Musker, Liverpool. [*Fulgor, Liverpool.* Anfield 215.]

1901. Mutter, William, Superintendent Engineer, Messrs. Bulloch Brothers and Co., Poozoondoung Foundry, Rangoon, British Burma, India.

1901. Myers, Henry Sutcliffe, Messrs. Myers Brothers, Theaker Lane, Armley, Leeds.

1901. Nakajima, Yosohachi, Fleet Engineer, I.J.N., 68 Inaoka, Yokosuka, Japan.

1906. Napier, John Stewart, Managing Director, New Arrol Johnston Car Co., Underwood, Paisley; and Herbertshire, Meikleriggs, Paisley.

1899. Nasbey, George William, 75 High Street, Banbury.

1888. Nathan, Adolphus, Messrs. Larini Nathan and Co., Milan; and 15 Via Bigli, Milan, Italy.

1896. Naylor, Sam, Messrs. Lumby, Son and Wood, West Grove Works, Greetland, Halifax. [*Lumby, Halifax.* 5 A.]

1898. Naylor, Tom Hyde, Otto-Hilgenstock Coke-Oven Co., 4 Southampton Row, London, W.C.; and 27 Earlsthorpe Road, Sydenham, London, S.E.

1883. Neate, Percy John, Belsize, 5 Watts Avenue, Rochester. [*Neate, Belsize, Rochester.* 3 Chatham.]

1889. Needham, Joseph Edward, Patent Office, 25 Southampton Buildings, London, W.C.

1902. Neil, Alexander, Palatine Works, Warrington.

1906. Nelson, George, Messrs. Jas. J. Niven and Co., 3 Salters' Hall Court, London, E.C.

1895. Nesbit, David Mein, Messrs. Ashwell and Nesbit, 12 Great James Street, Bedford Row, London, W.C. [*Plenum, London.* Holborn 587]; and Victoria Foundry, Leicester.

1903. Nesbitt, Alexander Walter, Messrs. Yarrow and Co., Isle of Dogs, Poplar, London, E.

1904. Newall, James Maurice, American Line, 27 James Street, Liverpool.

1896. Newell, Ernest, Messrs. Ernest Newell and Co., Stockwith-on-Trent, Gainsborough. [*Woods, Misterton.*]

1897. Newman, Reginald William, Stoneville, Beaufort Street, Grahamstown, Cape Colony.

1902. Newman, William Edwin, Works Manager, Midland and Great Northern Joint Railway, Melton Constable, Norfolk.

1890. Newton, Percy, 195 Coleherne Court, South Kensington, London, S.W.

1897. Newton, Thomas George, Goldsmith Gardens, Myrtle Road, Acton, London, W.

1905. Niblock, Frederick, Superintendent Engineer, Tanjong Pagar Dock Board, Singapore, Straits Settlements.

1884. Nicholls, James Mayne, General Manager, Nitrate Railways Co., Iquique, Chili.

1884. Nicholson, Henry, 39 Mayfield Road, Alexandra Park, Manchester.

1894. Nicholson, John Rumney, Tanjong Pagar Dock Board, Singapore, Straits Settlements.

1899. Nicol, Robert Gordon, Harbour Engineer, Aberdeen.

1899. Nisbet, William Holmes, Mutual Life Buildings, Martin Place, Sydney, New South Wales.

1902. Noakes, Thomas Elias, Managing Director, Messrs. Thomas Noakes and Sons, Ltd., 4 and 5 Osborn Place, Brick Lane, Whitechapel, London, E.

1886. Noakes, Thomas Joseph, Messrs. Thomas Noakes and Sons, Ltd., 4 and 5 Osborn Place, Brick Lane, Whitechapel, London, E.

1884. Noakes, Walter Maplesden, 73 Clarence Street, Wynyard Square, Sydney, New South Wales.

1904. Norman, James, Chief Engineer, Messrs. Peek, Frean and Co., Bermondsey, London, S.E.

1892. Norris, William, Peter Pilkington Ltd., Dowry Iron Works, Bamber Bridge, Preston.

1868. Norris, William Gregory, Coalbrookdale Iron Works, Coalbrookdale, Shropshire.

1878. Northcott, William Henry, General Engine and Boiler Co., Hatcham Iron Works, Pomeroy Street, New Cross Road, London, S.E.; and 6 Earl's Court Square, London, S.W. [*Oxygen, London.*]

1900. Northey, Percy Wilbraham, Constitutional Club, Northumberland Avenue, London, W.C.

1905. Nugent, Captain Charles Hugh Hodges, R.E., Office of Director-General, Military Works, Simla, India.

1898. Nutt, George Beaumont, Chief Mechanical Engineer's Office, Egyptian State Railways, Cairo, Egypt.

1885. Oakes, Sir Reginald Louis, Bart., Société Anonyme La Métallurgique, 1 Place de Louvain, Bruxelles, Belgium.

1887. O'Brien, Benjamin Thompson, 30 Slater Street, Liverpool.

1887. O'Brien, John Owden, 6 Bank Street, Manchester. [*Owden, Manchester.*]

1890. Ockendon, William, Messrs. John Brown and Co., Atlas Steel and Iron Works, Sheffield.

1888. O'Donnell, John Patrick, Palace Chambers, 9 Bridge Street, Westminster, S.W.; and Tracey Lodge, Bromley Park, Bromley, Kent. [*O'Donnell, London. Westminster 378.*]

1889. Ogden, Fred, Patent Office, 25 Southampton Buildings, London, W.C.

1903. O'Gorman, Mervyn, 82 Victoria Street, Westminster, S.W. [*Cosmogony, London. 734 Westminster.*]

1893. Oke, Francis Robert, 5 Coppenhall Terrace, Crewe. [*Oke, Crewe.*]

1901. Oldham, Fred, Messrs. Alexander Oldham and Sons, Johnson Brook Patent Piston Works, Dukinfield. [*Weldless, Dukinfield. Hyde 8.*]

1902. Oldham, George, Messrs. Samuel Oldham and Sons, Framwellgate Engine Works and Foundry, Durham. [*Oldham, Durham. 3041.*]

1900. Oldham, Thomas, Messrs. Alexander Oldham and Sons, Johnson Brook Patent Piston Works, Dukinfield; and Newland, Warwick Road, Romiley, Stockport. [*Weldless, Dukinfield. Hyde 8.*]

1899. Oliver, Thomas, North George Street Iron Works, Salford, Manchester.

1906. O'Neill, John, Resident Engineer's Office, Callender's Cable and Construction Co., Sheerness Dockyard.

1882. Orange, James, Messrs. Danby Leigh and Orange, Hong Kong, China: (or care of Mrs. Mary Orange, 2 West End Terrace, Jersey.)

1899. Orcutt, Harry Fred Lee, Managing Director, Messrs. Clayton and Shuttleworth, Stamp End Works, Lincoln.

1902. Orde, Edwin Lancelot, Sir W. G. Armstrong, Whitworth and Co., Walker Shipyard, Newcastle-on-Tyne.

1885. Ormerod, Richard Oliver, Moorend Park Lawn, Cheltenham.

1899. Ormsby, Alfred Stewart Augustus, Patent Office, Staple Inn, Holborn, London, W.C.

1902. Ormsby, Edward Stuart, Huthwaite Hall, Thurgoland, Sheffield.

1897. Orr, Charles Roger, Monifieth, Dundee.

1902. Orr, John, Professor of Applied Mechanics and Engineering Drawing, Transvaal Technical Institute, P.O. Box 1176, Johannesburg, Transvaal.

1899. Osborne, Thomas Peter, Assistant Carriage and Wagon Superintendent, Midland Railway, Derby; and The Poplars, Spondon, Derby.

1899. Ottewell, Albert, Brass Foundry, Cotton Lane, Derby. [*Ottewell, Derby. 51.*]

1867. Oughterson, George Blake, Broadway House, 2 Broadway, Westminster, S.W.; and Manor Cottage, Manor Lane, Lee, Lewisham, London, S.E.

1906. Owen, Thomas, General Manager, Messrs. W. Rowlandson and Co., 132 Boundary Street, Liverpool.

1897. Owens, Philip Robert, Messrs. Donaldson and Owens, 8 Albert Buildings, Preeson Row, Liverpool. [*Torpedo, Liverpool.*]

1903. Oxlade, Henry John Wilson, care of J. S. Wilkinson, 16 St. Helen's Place, Bishopsgate Street, London, E.C.

1901. Page, James Handford, 16 Seaton Buildings, 17 Water Street, Liverpool. [*Inspecting, Liverpool.* Central 6204.]

1905. Paget, Cecil Walter, Works Manager, Locomotive Department, Midland Railway, Derby.

1877. Panton, William Henry, Messrs. Dorman Long and Co., Middlesbrough.

1897. Parish, Charles Edward, 31 Hanger Lane, Ealing, London, W.

1898. Park, Charles Archibald, Carriage Superintendent, London and North Western Railway, Wolverton, R.S.O., Bucks.

1905. Parker, John Henry, 1 Cliff Gardens, Frodingham, Doncaster.

1906. Parker, Joseph Edmundson, Rhodesian Exploration and Development Syndicate Co., P.O. Box 213, Bulawayo, Rhodesia, South Africa.

1891. Parker, Thomas, F.R.S.E., 1B Chapel Street, Edgware Road, London, W. [*Speediest, London.* 321 Mayfair.]

1895. Parkinson, Hudson Clough, Engineer's Office, Cumberland Basin, Bristol Docks, Bristol.

1900. Parkinson, Joseph, Canal Iron Works, Shipley, Yorks. [*Temples, Shipley.* 4080.]

1884. Parlame, William, Manager, Hong Kong Ice Company, Hong Kong, China.

1899. Parrack, William Thomas, Rochester Buildings, 138 Leadenhall Street, London, E.C.

1892. Parratt, William Heather, Rose Hall, Canje Creek, Berbice, British Guiana.

1892. Parrott, Thomas Henry, Fairlight, Westfield Road, Edgbaston, Birmingham.

1886. Parry, Alfred, Staveley, Sandheys, Waterloo, Liverpool. [*Revolving, Liverpool.* 770 Waterloo.]

1900. Parry-Jones, Richard, Salvage Association, 19 Birch Lane, London, E.C.; and 32 Thornton Avenue, Streatham Hill, London, S.W.

1878. Parsons, The Hon. Richard Clere, Messrs. Bateman Parsons and Bateman, 39 Victoria Street, Westminster, S.W. [*Outfall, London.*]; and 48 Prince's Gardens, London, S.W.

1904. Partridge, Henry Ralph Champion, Hockham, Thetford.

1886. Passmore, Frank Bailey, Suffolk House, 5 Laurence Pountney Hill, London, E.C. [*Knarf, London.*]

1896. Patchell, William Henry, Caxton House, Tothill Street, Westminster, S.W. [*Patchell, London.* 898 Westminster.]

1880. Paterson, Walter Saunders, 27 St. Stephen's Road, Ealing, London, W.

1877. Paton, John McClure Caldwell, Messrs. Manlove Alliott and Co., Bloomsgrave Works Ilkeston Road, Nottingham. [*Manloves, Nottingham.*]

1881. Patterson, Anthony, Dowlais Iron Works, Cardiff; and 9 Glossop Terrace, Cardiff.

1904. Pattinson, Joseph, Chief Engineer, Alexandra Dock and Railway Co., Newport, Monmouthshire.

1891. Paul, Matthew, Jun., Messrs. Matthew Paul and Co., Levenford Works, Dumbarton.

1872. Paxman, James Noah, Messrs. Davey Paxman and Co., Standard Iron Works, Colchester. [*Paxman, Colchester.*]

1900. Payne, Henry, Professor of Engineering, South African College, Cape Town, Cape Colony.

1880. Peache, James Courthope, Messrs. Willans and Robinson, Victoria Works, Rugby.

1890. Peacock, James Albert Wells, Egyptian Delta Land and Investment Co., Cairo, Egypt.

1869. Peacock, Ralph, Messrs. Beyer Peacock and Co., Gorton Foundry, Manchester; and Avon Castle, Ringwood.

1899. Pearce, Standen Leonard, Corporation Electric Light Station, Dickinson Street, Manchester.

1897. Pearce, Thomas, Managing Director, Messrs. Johns and Waygood, Sturt Street, South Melbourne, Victoria.

1884. Pearson, Frank Henry, 3 Whitefriargate, Hull. [*Pears, Hull.* 221X.]

1906. Pearson, James, Messrs. Marsland, Price and Co., Nesbit Road, Mazagon, Bombay, India.

1901. Peart, John, Messrs. Robert Stephenson and Co., Newcastle-on-Tyne.

1903. Peckett, Thomas, Messrs. Peckett and Sons, Atlas Locomotive Works, Bristol. [*Peckett, Bristol.* 7306.]

1898. Pedley, Heber Isaac, Messrs. Rudge-Whitworth, Rea Street South, Birmingham.

1888. Peel, Charles Edmund, Quay Parade, Swansea.

1899. Peet, James, San Fernando, Trinidad, West Indies.

1898. Peet, William Gadsby, Locomotive Department, Midland Railway, Bristol; and 57 Salisbury Road, Redland, Bristol.

1903. Pendlebury, Charles, The Beeches, Sandwell Road, Handsworth, Birmingham.

1900. Pendred, Vaughan, Crohill, Pendennis Road, Streatham, London, S.W.

1897. Penn, Frederick James, Stoneleigh, Selly Park Road, Selly Park, Birmingham.

1873. Penn, William, The Cedars, Lee, London, S.E.

1895. Penn, William Cooper, 25 Victoria Street, Westminster, S.W. [*Penniform, London.* 182 Victoria.]

1904. Perry, William Frederick Suckling, Superintending Engineer, Bombay Burma Trading Corporation, Rangoon, British Burma, India.

1894. Peters, Lindsley Byron, Messrs. G. D. Peters and Co., Moorgate Works, Moorfields, London, E.C. [*Peters, London.*]

1906. Petiz, Jorge Augusto, Estrada de Ferro Central do Brazil, Rio de Janeiro, Brazil.

1900. Petter, Ernest Willoughby, Messrs. James B. Petter and Sons, 73 Queen Victoria Street, London, E.C. [*Escapable, London.* Bank 973.]

1898. Pettigrew, William Frank, Locomotive Superintendent, Furness Railway, Barrow-in-Furness.

1893. Philip, William Littlejohn, Sherbrooke, Box, Wilts.

1885. Phillips, Charles David, Emlyn Engineering Works, Newport, Monmouthshire. [*Machinery, Newport, Mon.*]

1885. Phillips, Lionel (*Life Member*), Messrs. Wernher, Beit and Co., 1 London Wall Buildings, London, E.C.

1879. Phillips, Robert Edward, 70 Chancery Lane, London, W.C. [*Phicycle, London.* 7518 Central.]

1902. Phillips, William, Locomotive Department, Great Western Railway, Bristol.

1882. Phipps, Christopher Edward, 13 Kenilworth Road, Ealing, London, W.

1900. Pickering, Frank, Electric Light Department, Cape Government Railways, Cape Town, Cape Colony.

1894. Pickering, Jonathan, Baltic Chambers, 50 Wellington Street, Glasgow. [6180.]

1877. Pigot, Thomas Francis, 14 Fitzwilliam Place, Dublin.

1888. Pilkington, Herbert, Sheepbridge Iron Works, Chesterfield.

1900. Pillai, Velu Pillai Devasikhamani, Vepery, Madras, India.

1899. Pilling, Frederick Stott, The Durdans, Kingston Road, Teddington.

1897. Pilling, Henry, Messrs. Yates and Thom, Canal Foundry, Blackburn.

1883. Pillow, Edward, Director of Technical Instruction for Norfolk Shire Hall, Norwich; and The Grange, 104A Thorpe Road, Norwich.

1892. Pinder, Charles Ralph, care of Messrs. Dickeson and Stewart, 94 Queen Victoria Street, London, E.C.

1892. Pirie, George, Royal Laboratory, Royal Arsenal, Woolwich.

1888. Pirrie, The Right Hon. Lord, P.C., LL.D., Messrs. Harland and Wolff, Belfast.

1883. Pitt, Walter, Messrs. Stothert and Pitt, Newark Foundry, Bath. [*Stothert, Bath.*]

1887. Place, John, Messrs. Wheatley Kirk, Price and Co., 46 Watling Street, London, E.C. [*Indices, London.* Bank 5077.]

1899. Platt, Francis James, Dudbridge Iron Works, Stroud, Gloucestershire.

1903. Platt, Fred, Messrs. Samuel Platt, King's Hill Foundry, Wednesbury. [*Platt, Wednesbury.* 60.]

1903. Platt, Isaiah, Messrs. Samuel Platt, King's Hill Foundry, Wednesbury. [*Platt, Wednesbury.* 60.]

1899. Platt, John, Messrs. Mather and Platt, Salford Iron Works, Manchester; and Hyning, Carnforth.

1878. Platts, John Joseph, Hyndford House, Inglemere Road, Forest Hill, London, S.E.

1898. Platts, William, Messrs. George Turton, Platts and Co., Savile Street, Sheffield. [*Buffer, Sheffield.*]

1869. Player, John (*Life Member*), Clydach Foundry, near Swansea.

1892. Pogson, Alfred Lee, Engineer, Admiralty New Breakwaters, Malta.

1888. Pogson, Joseph, Mayfield, Beechwood Road, Halifax.

1894. Poland, William, Messrs. William Poland and Co., King's Bench Walk, Southwark, London, S.E. [*Determine, London.*]

1893. Pollit, Edward Ernest, Messrs. Pollit and Wigzell, Bank Foundry, Sowerby Bridge.

1894. Pollitt, Harry, Fernlea, Altringham.

1886. Pollock, James, 3 Lloyds Avenue, London, E.C. [*Specific, London.* 920 Avenue.]

1904. Pollock, Walter, Messrs. James Pollock, Sons and Co., 3 Lloyds Avenue, London, E.C. [*Specific, London.* 920 Avenue.]

1898. Pooley, Henry, Elms Avenue, Lytham.

1902. Pope, William Waller, Hatfield, The Grove, Slough.

1898. Porritt, Louis Alfred, Messrs. William Tatham and Co., Vulcan Works, Rochdale.

1890. Potter, William Henry, Temple Buildings, Albert Street, Nottingham.

1864. Potts, Benjamin Langford Foster, 55 Chancery Lane, London, W.C.; and Clereholt, Holmbury St. Mary, Dorking.

1878. Powel, Henry Coke, 72 Bromley Road, Catford, London, S.E.

1891. Powles, Henry Handley Pridham, 90 Oakley Street, Chelsea, London, S.W.

1898. Powrie, William, Messrs. Furnival and Co., 32 St. Bride Street, London, E.C. [*Furnival, London.*]

1867. Pratchitt, John, Messrs. Pratchitt Brothers, Denton Iron Works, Carlisle.

1865. Pratchitt, William, Messrs. Pratchitt Brothers, Denton Iron Works, Carlisle.

1905. Pratten, Frederick Edward, Messrs. J. and E. Hall, Dartford.

1885. Pratten, William John, Messrs. Harland and Wolff, Belfast.

1890. Preece, Sir William Henry, K.C.B., F.R.S., 8 Queen Anne's Gate, Westminster, S.W.

1902. Prescott, Walter Henry, Engineer and Chief Surveyor, Tottenham Urban District Council, Council Buildings, Tottenham, London, N. [Prescott, Lower Tottenham.]

1882. Presser, Ernest Charles Antoine, Barquillo 26, Madrid.

1903. Preston, Frederick Kennerley, P.O. Box 107, East London, Cape Colony.

1903. Price, Alan, Messrs. W. and A. McArthur, 15 Macquarie Place, Sydney, New South Wales.

1877. Price, Henry Sherley, Messrs. Wheatley Kirk, Price and Co., 46 Watling Street, London, E.C. [*Indices, London.* Bank 5077.]

1896. Price, James, Harbour Engineer, 9 Lapp's Quay, Cork.

1890. Price, John, Inspecting Engineer, Workington.

1889. Price, John Bennett, 313 Temple Chambers, Brazenose Street, Manchester; and Wyresdale, Wilbraham Road, Chorlton-cum-Hardy, near Manchester.

1859. Price-Williams, Richard, 18 Chandos Road, Cricklewood, London, N.W. [*Spandrel, London.*]

1886. Price-Williams, Seymour William, Messrs. James Mansergh and Son, 5 Victoria Street, Westminster, S.W.

1906. Pringle, Percival John, Borough Electrical Engineer, Burton-on-Trent.

1896. Pritchard, Hugh, Port Dinorwic Dry Dock, Port Dinorwic, R.S.O., Carnarvonshire; and Cae Gwyn, Port Dinorwic, R.S.O., Carnarvonshire.

1906. Procter, James, Works Manager, The Lilleshall Co., Oakengates, Salop.

1895. Proctor, Charles Faraday, 44 Simonside Terrace, Heaton, Newcastle-on-Tyne.

1894. Pryce, Henry James, Locomotive Superintendent, North London Railway, Bow Road Works, London, E.

1903. Puddephatt, Ernest Orlando, Eastlands, Margaret Road, Whitley Bay, R.S.O., Northumberland.

1895. Pugh, Charles Vernon, Radford House, Coventry.

1895. Pullar, Albert Evans, Pullar's Dye Works, Perth.

1887. Pullen, William Wade Fitzherbert, Professor of Mechanical Engineering, South-Western Polytechnic, Manresa Road, Chelsea, London, S.W.; and 9 Malbrook Road, Putney, London, S.W.

1898. Pulman, Thomas Charles, care of Messrs. Grindlay and Co., Calcutta, India.

1884. Puplett, Samuel, 47 Victoria Street, Westminster, S.W.

1887. Pyne, Sir Thomas Salter, C.S.I., Badminton Club, Piccadilly, London, W.

1892. Quenctrall, Thomas, H.M. Inspector of Mines, Kimberley, South Africa.

1905. Quince, William John, P.O. Box 297, Pietermaritzburg, Natal.

1900. Quirk, William Montague Harley, Broken Hill Chambers, 31 Queen Street, Melbourne, Victoria.

1870. Radcliffe, William (*Life Member*), 66 Clarkegrove Road, Sheffield. [1485.]

1878. Radford, Richard Heber, 15 St. James' Row, Sheffield. [Radford, Sheffield.]

1899. Radley, Bertram Vernon, East Indian Railway, Jamalpur, Bengal, India.

1885. Rainforth, William, Britannia Iron Works, Lincoln. [Rainforths, Lincoln.]

1878. Rait, Henry Milnes, Messrs. Rait and Gardiner, 155 Fenchurch Street, London, E.C. [Repairs, London.]

1903. Rake, George Arthur, Messrs. Bramwell and Harris, 5 Great George Street, Westminster, S.W.

1892. Ramsay, William, Superintendent Engineer, Scottish Oriental Steamship Co., Hong Kong, China.

1894. Ramsbottom, John Goodfellow, The Beaconsfield, Brookline, Boston, Mass., United States.

1860. Ransome, Allen, Messrs. A. Ransome and Co., Stanley Works, Newark; and Lombard House, Newark.

1888. Rapley, Frederick Harvey, Prudential Building, Park Row, Leeds.

1889. Ratcliffe, James Thomas, Eisenstuck Strasse 7, Dresden, Germany.

1904. Rateau, Auguste, Professeur à l'École Supérieure des Mines, 7 Rue Bayard, Paris.

1893. Raven, Vincent Litchfield, Locomotive Department, North Eastern Railway, Gateshead.

1906. Raworth, Benjamin Alfred, 35 and 36 Bedford Street, Strand, London, W.C.

1903. Raworth, John Smith, 2 Queen Anne's Gate, Westminster, S.W.

1904. Read, Henry George, Works Manager, Messrs. M. Helferich-Sadet, Kharkov, South Russia.

1902. Read, John Hudson, Great Western Railway, Newport, Monmouthshire; and Dean House, Llanthewy Road, Newport, Mon.

1883. Reader, Reuben, Phoenix Works, Cremorne Street, Nottingham.

1887. Readhead, Robert, Messrs. John Readhead and Sons, West Docks, South Shields [Readhead, South Shields. G.P.O. 14. Nat. 2024.]; and South Garth, South Shields.

1882. Reay, Thomas Purvis, Messrs. Kitson and Co., Airedale Foundry, Leeds.

1901. Redman, Joseph, Messrs. C. Redman and Sons, Pioneer Iron Works, Halifax.

1903. Redman, Joseph Fell, 38 Leadenhall Street, London, E.C.

1881. Redpath, Francis Robert, Canada Sugar Refinery, Montreal, Canada.
[*Redpath, Montreal.*]

1894. Reed, Joseph William, Manager, Engine Works Department, Palmer's Shipbuilding and Iron Works, Jarrow.

1891. Reed, Thomas Alfred, Bute Docks, Cardiff. [*Steam, Cardiff.* 171.]

1906. Rees, William John, Managing Director, Glanmor Foundry and Engineering Works, Llanelly.

1906. Reese, Arnold Karthaus, Dowlais-Cardiff Works, East Moors, Cardiff.

1901. Reeves, Arthur Robert, 46 Queen Victoria Street, London, E.C.

1902. Reeves, Wilfred, Messrs. Reeves and Bramwell, Kingscourt, Wellington Place, Belfast. [*Century, Belfast.* 1212.]

1897. Reid, Andrew Thomson (*Life Member*), North British Locomotive Co., Hyde Park Locomotive Works, Glasgow. [*Loco, Glasgow.* Royal 822.]

1891. Reid, Hugh (*Life Member*), North British Locomotive Co., Hyde Park Locomotive Works, Glasgow. [*Loco, Glasgow.* Royal 822.]

1897. Reid, John (*Life Member*), North British Locomotive Co., Hyde Park Locomotive Works, Glasgow. [*Loco, Glasgow.* Royal 822.]

1901. Reid, Robert Shaw, 45 Hope Street, Glasgow. [*Vessel, Glasgow.*]

1889. Rendell, Alan Wood, Westinghouse Brake Co., 82 York Road, King's Cross, London, N.; and 42 Goldhurst Terrace, South Hampstead, London, N.W.

1859. Rennie, George Banks, 20 Lowndes Street, Lowndes Square, London, S.W.

1906. Renny, Allan, Macalister Road, Penang, Straits Settlements.

1902. Renold, Hans, Progress Works, 3 Brook Street, Manchester. [*Driving, Manchester.* 3219.]

1876. Restler, James William, Engineer, Southern District, Metropolitan Water Board, Southwark Bridge Road, London, S.E.

1883. Reunert, Theodore (*Life Member*), Box 432, Kimberley, South Africa; Box 92, Johannesburg, Transvaal: (or care of Messrs. Findlay, Durham and Brodie, 110 Cannon Street, London, E.C.)

1879. Reynolds, George Bernard, Constitutional Club, Northumberland Avenue, London, W.C.

1904. Reynolds, James, The New Engineering and Shipbuilding Works, Shanghai, China.

1906. Reynolds, James Arthur, Superintending Engineer, East Anglian Ice Co., Lowestoft.

1898. Reynolds, William Fleck, Messrs. Travers and Co., Britannia Works, Springfield Road, Belfast.

1905. Rhodes, William Harrison, Managing Director, Messrs. Joseph Rhodes and Sons, Grove Iron Works, Wakefield.

1890. Rice, Thomas Sydney, Aldermary House, 60 Watling Street, London, E.C. [*Ricto, London.*]

1866. Richards, Edward Windsor, Plas Llecha, Tredunnock, Caerleon, Monmouthshire. [*Windsor Richards, Llangibby.*]

1897. Richards, Henry William Hall, Messrs. W. Richards and Son, Phoenix Iron Works, Leicester. [*Richards, Leicester.* 89.]

1905. Richardson, Charles Ernest, Messrs. Richardson and Blair, A. M. P. Buildings, Wellington, New Zealand.

1892. Richardson, Harry Alfred, Messrs. Hick Hargreaves and Co., Soho Iron Works, Crook Street, Bolton.

1865. Richardson, John, Well Royd, Rawdon, Leeds.

1873. Richardson, John, Lincoln.

1899. Richardson, John Robert, 35 Shepherd's Bush Green, West Kensington Park, London, W.

1891. Richardson, John Scott, Craigard, Lenzie, Glasgow.

1900. Riches, Carlton Tom Hurry, Locomotive, Carriage and Wagon Superintendent, Rhymney Railway, Caerphilly, Cardiff; and Hartley, St. Martin's Road, Caerphilly, Cardiff.

1874. Riches, Tom Hurry, Locomotive Superintendent, Taff Vale Railway, Cardiff; and Springfield, Pen-y-lan Road, Cardiff.

1906. Richmond, John Ritchie, Messrs. G. and J. Weir, Holm Foundry, Cathcart, Glasgow.

1899. Ride, Samuel, 85 Royal Exchange, Manchester. [*Elevator, Manchester.*]

1899. Rider, John Hall, London County Council Tramways, 303 Camberwell New Road, London, S.E. [*Hop 1230.*]

1879. Ridley, James Cartmell, Swalwell Steel Works, Newcastle-on-Tyne.

1894. Riley, Joseph Hacking, Elton Iron Works, Bury, Lancashire.

1907. Ringquist, Justus Magnus, Messrs. Head, Wrightson and Co., Teesdale Iron Works, Thornaby-on-Tees.

1885. Ripley, Philip Edward, Messrs. Ransomes, Sims and Jefferies, Orwell Works, Ipswich.

1884. Ripper, William, Professor of Mechanical Engineering, Technical Department, The University, Sheffield.

1902. Riseley, Harry Lorimer, Chief Engineer, Newcastle-on-Tyne Electric Supply Co., Carville Power Station, Wallsend-on-Tyne.

1879. Rixom, Alfred John, 108 Park Road, Loughborough.

1903. Robb, Alexander, Holyrood House, Plane Street, Anlaby Road, Hull.

1899. Roberts, David, General Manager, Messrs. R. Hornsby and Sons, Spittlegate Iron Works, Grantham. [*Hornsby, Grantham.*]

1903. Roberts, David Evan, 59 Queen Street, Cardiff. [*Formula, Cardiff.* 365.]

1906. Roberts, Gervase Henry, Royal Ordnance Factories, Woolwich.

1903. Roberts, Harry, Messrs. Roberts Brothers, Dukinfield, Manchester.

1891. Roberts, Hugh Jorwerth, 42 Castle Street, Liverpool. [*Ingenious, Liverpool.*]

1887. Roberts, Thomas, 64 Victoria Street, Westminster, S.W.

1902. Robertson, David, Messrs. Wm. McKinnon and Co., Spring Garden Iron Works, Aberdeen.

1892. Robertson, Leslie Stephen, Messrs. Robertson and Outram, 28 Victoria Street, Westminster, S.W. [*Eyebolts, London.*]

1905. Robin, Frederick Alexander Garibaldi, 48 Pembridge Villas, Bayswater, London, W.

1902. Robins, Alban George, The Hall, Southborough, Kent.

1899. Robins, George Mead, Gas and Water Engineer, Sutton, Surrey.

1894. Robinson, Charles John, Messrs. Thomas Robinson and Son, Railway Works, Rochdale. [*Robinson, Rochdale.*]

1900. Robinson, Edward Mark, Struan Cot, Ashford, Middlesex.

1890. Robinson, Frederick Arthur, Messrs. F. A. Robinson and Co., 54 Old Broad Street, London, E.C. [*Farrago, London.*]

1874. Robinson, Professor Henry, Parliament Mansions, Victoria Street, Westminster, S.W.

1895. Robinson, James, 25 and 27 Leinster Chambers, 4 St. Anne's Square, Manchester; and Ravenscraig, Seaforth, Liverpool.

1898. Robinson, James Armstrong, Stafford Road Works, Great Western Railway, Wolverhampton.

1886. Robinson, John, 8 Vicarage Terrace, Kendal.

1878. Robinson, John Frederick, North British Locomotive Co., 17 Victoria Street, Westminster, S.W.

1891. Robinson, John George, Chief Locomotive Engineer, Great Central Railway, Gorton, Manchester; and Boothdale, Fairfield, Manchester.

1901. Robinson, John James, P.O. Box 75, Ladysmith, Natal.

1899. Robinson, Joseph Drinkwater, R.N.R., Assistant Locomotive Superintendent, West African Government Railways, Sierra Leone.

1894. Robinson, Mark Heaton, Messrs. Willans and Robinson, Victoria Works, Rugby [*c/o Willans, Rugby.*]; and 9 Belsize Grove, Hampstead, London, N.W.

1878. Robinson, Thomas Neild, Messrs. Thomas Robinson and Son, Railway Works, Rochdale. [*Robinson, Rochdale.*]

1895. Robinson, William, Professor of Mechanical and Electrical Engineering, University College, Nottingham.

1903. Robinson-Embry, Captain Richard Percy, late R.E., Messrs. Cammell Laird and Co., Ordnance Works, Coventry.

1899. Robson, William Henry, Manager, Messrs. Chance Brothers and Co., near Birmingham.

1872. Rofe, Henry, 8 Victoria Street, Westminster, S.W.

1906. Rogers, George Kenyon, Signal Engineer, Eastern Bengal State Railway, Calcutta, India.

1885. Rogers, Henry John, Watford Engineering Works, Watford. [*Mechanical, Watford.* 35.]

1903. Rogers, Herbert Malcolm, 81 Gracechurch Street, London, E.C.

1902. Rogerson, Thomas Bond, General Manager, Messrs. James Dunlop and Co., Clyde Iron Works, Tolcross, Glasgow. [3659.]

1906. Rolfe, Harry, British Westinghouse Co., Trafford Park, Manchester.

1898. Rolfe, John Herbert Hieron, 12 Mission Row, Calcutta, India.

1892. Ronald, Henry, Chief Superintendent, Messrs. Eley Brothers, Angel Road, Edmonton, London, N.

1906. Ronceray, Eugène, 9 and 11 Rue des Envierges, Paris XX^e, France.

1898. Roots, James D., Thanet House, Temple Bar, London, W.C.

1903. Röper, Anton, Messrs. de Fries and Co., Düsseldorf, Germany.

1889. Rosenthal, James Hermann, Babcock and Wilcox Co., Oriel House, Farringdon Street, London, E.C.

1905. Ross, James Russell, Manager, Parkhead Forge and Steel Works, Glasgow.

1902. Ross, John, Superintendent Engineer, Leeds and Liverpool Canal Co., Wigan.

1881. Ross, William, Messrs. Ross and Walpole, North Wall Iron Works, Dublin. [*Iron, Dublin.* 311.]

1899. Ross, William, Jun., 27 Thistle Street, Glasgow.

1896. Rothery, William Brockbank, Inspecting Engineer, Hazelmere, Southport.

1898. Rothwell-Jackson, Harry Loxton, Messrs. Jackson and Brother, Wharf Foundry, Bolton. [*Jackson, Bolton.* 34.]

1904. Rought, Charles, Messrs. Galloways, 17 Philpot Lane, London, E.C. [*Rought, London.* 2866 Avenue.]

1893. Rounthwaite, Henry Morrison, Mechanical Engineer to the London County Council, County Hall, Spring Gardens, London, S.W.; and 12 Holmbush Road, Putney Hill, London, S.W.

1878. Routh, William Pole, Oakfield, Southern Hill, Reading.

1898. Row, Oliver Matthews, Dalham Engineering Works, Irlam, Manchester.

1891. Rowland, Bartholomew Richmond, Holly Bank, Altrincham.

1903. Roy, William, Messrs. Spencer and Co., Melksham.

1898. Royce, Frederick Henry, Messrs. Rolls-Royce Ltd., Cooke Street, Hulme, Manchester.

1897. Roylance, Arthur Herbert, Haworth's Buildings, 5 Cross Street, Manchester.

1905. Rundall, Captain Charles Frank, R.E., Military Superintendent, Brennan Torpedo Factory, Chatham.

1901. Rushton, James Lever, Messrs. Dobson and Barlow, Kay Street Machine Works, Bolton.

1906. Russell, Francis William, Messrs. Juan Bannister Sucesores, Apartado 696, Mexico City D.F., Mexico.

1902. Ruthven-Murray, Ethelbert Thomas, Engineer-in-Chief, North Metropolitan Electric Power Supply Co., Taylor's Lane, Willesden, London, N.W.

1902. Rutter, Henry Fillmer, Engineer, Western District, Metropolitan Water Board, 41 and 43 Commercial Road, Pimlico, London, S.W.

1885. Ryan, John, D.Sc., Grove House, Milltown, Co. Dublin.

1901. Ryder, George Albert, Messrs. Thomas Ryder and Son, Turner Bridge Iron Works, Tonge, Bolton.

1902. Sainty, Christopher, Engineer and Manager, Windsor Corporation Water Works, Tangier Islands, Eton, Windsor. [*Sainty, Eton. Windsor 0148.*]

1903. Sampson, Edward Dudley, District Locomotive Superintendent, Southern Mahratta Railway, Hubli, India: (or care of Messrs. Thomas Cook and Son, Ludgate Circus, London, E.C.)

1874. Sampson, James Lyons, Messrs. David Hart and Co., North London Iron Works, Wenlock Road, City Road, London, N. [*Bascule, London. King's Cross 733.*]

1901. Sams, Joseph Henry, Chatwood's Safe and Lock Co., 56 Gracechurch Street, London, E.C. [*Chatwood*, London.*]

1881. Samuelson, Ernest, Messrs. Samuelson and Co., Britannia Iron Works, Banbury.

1890. Sandberg, Christer Peter, Palace Chambers, Bridge Street, Westminster, S.W.

1899. Sandeman, Edward, Engineer, Derwent Valley Water Board, Bamford, Sheffield.

1881. Sanders, Henry Conrad, Messrs. H. G. Sanders and Son, Victoria Works, Gordon Road, Southall; and 16 Haven Green, Ealing, London, W.

1871. Sanders, Richard David, 5 Kidbrook Grove, Blackheath, London, S.E.

1886. Sandford, Horatio, Messrs. E. A. and H. Sandford, Thames Iron Works, Gravesend.

1881. Sandiford, Charles, C.B., Locomotive Superintendent, Uganda Railway, Mombasa.

1891. Sands, Harold, Craythorne, Tenterden, Ashford, Kent.

1896. Sangster, Charles Thomas Brock, Works Manager, Cycle Components Manufacturing Co., Bournbrook, Birmingham.

1894. Sankey, Captain Matthew Henry Phineas Riall, late R.E., 25 Victoria Street, Westminster, S.W. [*Fusible, London.* 5012 Westminster.]

1899. Sergeant, Edward Frank, Lower Street, Stroud, Gloucestershire. [*Sergeant, Stroud.* 14.]

1900. Sauvage, Edouard, Professeur à l'Ecole des Mines de Paris et au Conservatoire des Arts et Métiers, Ingénieur en Chef Conseil de la Cie. des Chemins de Fer de l'Ouest, 14 Rue Eugène Flachat (17^e arr^t), Paris.

1874. Sauvée, Albert, Union Works, 60 Park Street, Southwark, London, S.E. [*Sovez, London.* Hop 213.]

1880. Saxby, John, Messrs. Saxby and Farmer, Railway Signal Works, Canterbury Road, Kilburn, London, N.W. [*Signalmen, London.* Kilburn 421]; and North Court, Hassocks, R.S.O., Sussex.

1893. Saxon, Alfred, Openshaw Engineering Works and Examiner Buildings, Manchester. [959 and 3904.]

1894. Saxon, George, Openshaw Engineering Works and Examiner Buildings, Manchester. [959 and 3904.]

1894. Saxon, James, Openshaw Engineering Works and Examiner Buildings, Manchester. [959 and 3904.]

1902. Sayers, Ricardo John Henry, Albion Iron Works, Miles Platting, Manchester.

1890. Schofield, George Andrew, Oakwood, Mildenhall, S.O., Suffolk.

1886. Scholes, William Henry, 1255 Rivadavia, Buenos Aires, Argentine Republic.

1883. Schönheyder, William, 4 Rosebery Road, Brixton, London, S.W. [*Schönheyder, London.*]

1886. Schurr, Albert Ebenezer, Messrs. Fry Miers and Co., Suffolk House, 5 Laurence Pountney Hill, London, E.C.

1891. Scott, Arthur Forbes, 171 Swan Arcade, Bradford.

1882. Scott, Charles Herbert, Messrs. Summers and Scott, High Orchard Iron Works, Gloucester.

1905. Scott, Ernest Kilburn, Electrical Engineering Department, Sydney University, Sydney, New South Wales.

1890. Scott, Frederick McClure, 89 Victoria Street, Liverpool.

1881. Scott, James, care of Messrs. Taylor, Wythe and Co., Calle Congallo 318, Buenos Aires, Argentine Republic.

1886. Scott, James, Consett Iron Works, Consett, R.S.O., County Durham.

1894. Scott, Robert, H.M. Mint, Calcutta, India.

1891. Scott, Robert Julian, Professor of Engineering, New Zealand University, Canterbury College, Christchurch, New Zealand.

1861. Scott, Walter Henry, Park Road, East Molesey, Surrey

1896. Scriven, Charles, Leeds Old Foundry, Leeds.

1882. Seabrook, Alfred William, 40 Mayfair Avenue, Ilford.

1892. Seaman, Charles Joseph, General Manager, Messrs. Heenan and Froude, Newton Heath Iron Works, near Manchester. [*Spherical, Newton Heath.* 966 A.]

1882. Seaton, Albert Edward, 32 Victoria Street, Westminster, S.W. [*Sequake, London.* 207 Victoria.]

1893. Segundo, Edward Carstensen de, 267 Dashwood House, New Broad Street, London, E.C. [*Awesome, London.* 2686 Central.]

1891. Selby, Millin, 2 Rue du Lac, Bruxelles, Belgium.

1882. Selfe, Norman, 279 George Street, Sydney, New South Wales.

1884. Sellers, Coleman, E.D., Sc.D., 1301 Stephen Girard Building, Philadelphia, Pennsylvania, United States.

1896. Sennett, Alfred Richard, 15 Heath Mansions, Hampstead, London, N.W.

1903. Severn, William Henry, 25 Abchurch Lane, Mansion House, London, E.C. [*Severnaco, London.* 6024 Bank.]

1884. Shackleford, William Copley, Managing Director, Metropolitan Amalgamated Railway Carriage and Wagon Co., Lancaster. [*Wagon, Lancaster.* 18.]

1903. Shanks, Arthur Thornton, 17 Midland Road, Hyde Park, Leeds.

1884. Shanks, William, Messrs. Thomas Shanks and Co., Johnstone, near Glasgow. [*Shanks, Johnstone.*]

1902. Sharman, Philip Alan, 113 Cannon Street, London, E.C.; and 65 Tilehouse Street, Hitchin, Herts. [*Graftonian, London.*]

1897. Sharp, John, 115 Shaftesbury Avenue, London, W.C.

1895. Sharp, John Hutchinson, Messrs. Sharp, Stewart and Co., Atlas Works, Glasgow.

1905. Sharp, Richard, Banklands, Workington.

1905. Sharp, Robert Gordon, Works Manager, Leeds Forge, Leeds.

1898. Sharp, Sidney, 34 Victoria Street, Westminster, S.W.

1875. Sharp, Thomas Budworth, County Chambers A, Martineau Street, Birmingham. [*Budworth, Birmingham.*]

1907. Sharpe, Thomas Walter, Messrs. Olive and Partington, Turn Lee Mills, Glossop.

1897. Sharpley, George Ruston, Messrs. Ruston, Proctor and Co., Sheaf Iron Works, Lincoln.

1881. Shaw, Joshua, Messrs. John Shaw and Sons, Wellington Street Works, Salford, Manchester.

1900. Shaw, Percy Charles William, 70 Pitt Street, Sydney, New South Wales.

1899. Shawcross, George Nuttall, Lancashire and Yorkshire Railway, Horwich, Lancs.

1902. Shawfield, Charles Edwin Campbell, Resident Electrical Engineer, Corporation Electricity Works, Wolverhampton.

1902. Sheffield, George Harrison, 15 New Bridge Street, Newcastle-on-Tyne.

1890. Sheldon, Harry Cecil, Messrs. Boult and Wade, 63 Long Row, Nottingham. [*Boult, Nottingham.* 645.]

1906. Sheldon, Joseph, Chief Engineer, Messrs. Samuel Fox and Co., Stocksbridge, Sheffield.

1900. Sheldon, William John, Resident Engineer, São Paulo Railway, São Paulo, Brazil.

1899. Shepherd, Richard Lillington, care of A. J. Draper, O. K. Copper Mines Syndicate, Cairns, North Queensland.

1875. Sheppard, Herbert Gurney, Chief Auditor, Egyptian State Railways, Cairo, Egypt.

1876. Shield, Henry, Messrs. Fawcett Preston and Co., Phoenix Foundry, 17 York Street, Liverpool.

1888. Shin, Tsuneta, Director, Ishikawajima Shipbuilding and Engineering Co., Tokyo, Japan.

1889. Shone, Isaac, 47 Victoria Street, Westminster, S.W.

1890. Shoosmith, Harry, Wynford, Abbey Wood, Kent.

1903. Short, Alfred, Victoria Engineering Works, Shepstone Street, Durban, Natal.

1893. Shroff, Adurjee Burjorjee, Chief Engineer, Sassoon Spinning Mills, Bombay, India.

1885. Shuttleworth, Alfred, Messrs. Clayton and Shuttleworth, Stamp End Works, Lincoln. [*Claytons, Lincoln.*]

1885. Shuttleworth, Lt.-Colonel Frank, Messrs. Clayton and Shuttleworth, Stamp End Works, Lincoln; and Old Warden Park, Biggleswade. [*Claytons, Lincoln.*]

1899. Sibbering, George Thomas, Engineer, Taff Vale Railway, Cardiff.

1891. Siemens, Alexander (*Life Member*), 12 Queen Anne's Gate, Westminster, S.W.

1898. Sillar, Arthur Molyneux, 2 Queen Anne's Gate, Westminster, S.W.

1897. Sime, William, Chief Engineer, Messrs. Macfarlane, Lang and Co., Victoria Biscuit Works, Glasgow.

1899. Simmance, John Frederick, Messrs. Simmance and Abady, Westminster Works, Earl Street, Westminster, S.W.

1906. Simms, Frederick Richard, Simms Manufacturing Co., Welbeck Works, Kimberley Road, Willesden Lane, Kilburn, London, N.W.

1877. Simonds, William Turner (*Life Member*), care of C. W. G. Little, 99 Albemarle Road, Beckenham.

1902. Simpkin, Frank Henry, 159 Firth Park Road, Sheffield.

1876. Simpson, Arthur Telford, Engineer, Chelsea Water Works, 38 Parliament Street, Westminster, S.W.

1883. Simpson, Charles Liddell, Messrs. Simpson and Co., 101 Grosvenor Road, Pimlico, London, S.W. [*Aquosity, London.*]

1885. Simpson, James Thomas, 34 St. Charles' Square, North Kensington, London, W.

1902. Simpson, William, Harbour Engineer's Office, Aberdeen.

1903. Sinclair, Herbert, District Locomotive Superintendent, Great Northern Railway, Leeds.

1891. Sinclair, Russell, Messrs. J. Wildridge and Sinclair, 82 Pitt Street, Sydney, New South Wales.

1899. Sirri, Lieut.-Commander M., I.O.N., care of Vice-Admiral Ahmed Pasha, Imperial Naval Arsenal, Constantinople.

1881. Sisson, William, Quay Street Iron Works, Gloucester. [*Sisson, Gloucester.*]

1906. Skelton, Reginald William, Engineer Lieutenant R.N., H.M.S. "Forth," Submarine Dépôt, Plymouth.

1904. Skinner, Arthur, Hadfield's Steel Foundry Co., East Hecla Works, Tinsley, Sheffield.

1902. Slater, James George, Messrs. John Russell and Co., Alma Tube Works, Walsall.

1892. Slight, George Henry, Inspector General of Lighthouses, Casilla 812, Valparaiso, Chile.

1885. Slight, William Hooper, 64 Cromwell Road, Fitzhugh, Southampton.

1891. Sloan, Robert Alexander, Messrs. Sloan and Lloyd Barnes, 34 Castle Street, Liverpool. [*Technical, Liverpool.* 6080.]

1886. Small, James Miln, 17 Victoria Street, Westminster, S.W.

1897. Smallman, Herbert Spencer, Globe Tube Works, Wednesbury. [*Tubes, Wednesbury.* 6504.]

1900. Smart, Alexander, Erith, S.O., Kent.

1898. Smart, Leslie Sanderson, Chief Locomotive Superintendent, Central South African Railways, Pretoria, Transvaal, South Africa.

1901. Smart, Robert Howie, Messrs. Blake, Barclay and Co., Victoria Works, Greenock. [*Filter, Greenock.* 130.]

1899. Smeddle, John Henry, Divisional Locomotive Superintendent, North Eastern Railway, York.

1889. Smelt, John Dann, Salisbury House, Finsbury Circus, London, E.C. [*Smelt, London.*]

1899. Smethurst, William, 97 Bridge Street, Manchester.

1901. Smith, Daniel, Messrs. Daniel Smith and Co., Castle Iron Works, Raglan Street, Wolverhampton. [*Presses, Wolverhampton.* 210.]

1881. Smith, Henry, Messrs. Simpson and Co., 101 Grosvenor Road, Pimlico, London, S.W.

1898. Smith, Isaac, Messrs. Sydney Smith and Sons, Basford Brass Works, Nottingham; and Hickling Lodge, near Keyworth, Notts. [Smiths, Nottingham. 1537.]

1893. Smith, John, Salford Works, Richard Street, Birmingham. [Profiler, Birmingham. 2540.]

1898. Smith, John, Burton Brewery Co., Burton-on-Trent.

1906. Smith, John, General Manager, Messrs. C. and L. Shaw, Huyton Quarry, near Liverpool.

1891. Smith, John Reney, Messrs. H. and C. Grayson, 179 Regent Road, Liverpool.

1898. Smith, John William, Locomotive Department, Great Central Railway, Gorton, Manchester.

1870. Smith, Michael Holroyd, 26 Cambridge Street, Pimlico, London, S.W.

1886. Smith, Reginald Arthur, Messrs. Dorman and Smith, Ordsal Station Electrical Works, Salford, Manchester.

1881. Smith, Professor Robert Henry, Trent, 3 Thirlmere Road, Streatham, London, S.W.

1897. Smith, Robert Walker, Works Manager, New Enfield Cycle Co., Hunt End Works, Redditch; and Stoneleigh, Redditch.

1896. Smith, Roger Thomas, Electrical Engineer, Great Western Railway, 150 Westbourne Terrace, Paddington, London, W.

1897. Smith, Sidney, P.O. Box 1905, Johannesburg, Transvaal.

1903. Smith, Lt.-Colonel Stanley George Drew, R.A., care of Messrs. Henry S. King and Co., 9 Pall Mall, London, S.W.

1885. Smith, Thomas, Messrs. Thomas Smith and Sons, Steam and Electric Crane Works, Old Foundry, Rodley, near Leeds. [Smith, Rodley. Stanningley 18.]

1898. Smith, Tom Graves, Dudbridge Iron Works, Stroud, Gloucestershire [Humpidge, Cainscross. 7.]; and The Tynings, Stonehouse, Gloucestershire.

1904. Smith, Walter Henry, Engineer's Office, Public Works Department, Caledon Square, Cape Town, Cape Colony.

1881. Smith, Wasteneys, 59 Sandhill, Newcastle-on-Tyne. [Wasteneys, Newcastle-on-Tyne. G.P.O. 429; Nat. 2018.]

1890. Smith, William, Manager, Messrs. Pilkington Brothers, British Plate Glass Works, Ravenhead, St. Helens, Lancashire.

1900. Smith, William Hill, Messrs. James Stansfield and Son, 9 Leeds Road, Bradford.

1887. Smith, William Mark, District Locomotive Carriage and Wagon Superintendent, Great Southern and Western Railway, Cork.

1904. Smyth, Gerald Millner, Mechanical Engineering Dept., Messrs. H. Eckstein and Co., P.O. Box 149, Johannesburg, Transvaal.

1891. Snell, John Francis Cleverton, Caxton House, Westminster, S.W.

1885. Snowdon, John Armstrong, Stanners Closes Steel Works, Wolsingham, near Darlington.

1897. Snoxell, George Edgar, 3 Green Bank, Trimmingham, Halifax.

1895. Somers, Walter, Haywood Forge, Halesowen, near Birmingham.

1887. Sorabji, Shapurji, Messrs. Shapurjee and Ratanshaw, 77 Finsbury Pavement, London, E.C.

1889. Souter-Robertson, David, Superintendent, Government Canal Foundry and Workshops, Roorkee, North Western Provinces, India.

1900. Sparkes, Samuel Hurford, General Manager, Messrs. Fox Brothers and Co., Wellington, Somerset.

1893. Spence, Arthur William, Manager, Cork Street Foundry and Engineering Works, Dublin.

1898. Spence, Wilfrid L., 31 St. Vincent Place, Glasgow. [*Electrify, Glasgow. 1500 Royal.*]

1887. Spence, William, Cork Street Foundry and Engineering Works, Dublin.

1887. Spencer, Alexander, Messrs. George Spencer, Moulton and Co., 77 Cannon Street, London, E.C. [*George Spencer, London.*]

1878. Spencer, Alfred G., Messrs. George Spencer, Moulton and Co., 77 Cannon Street, London, E.C. [*George Spencer, London.*]

1892. Spencer, Henry Bath, Corporation of Western Egypt, Farchout, Upper Egypt.

1877. Spencer, John, Globe Tube Works, Wednesbury; and 14 Great St. Thomas Apostle, London, E.C. [*Tubes, Wednesbury. Tubes, London. 6504.*]

1897. Spencer, John, Atlas Works, Keighley. [*Spencer, Engineer, Keighley. 118.*]

1905. Spencer, John Aubrey Berkley, Messrs. John Spencer and Sons, Newburn Steel Works, Newcastle-on-Tyne.

1867. Spencer, John W., Newburn Steel Works, Newcastle-on-Tyne [*Newburn, Newcastle-on-Tyne*]; and Impney, Droitwich.

1885. Spencer, Mountford, Messrs. Luke and Spencer, Broadheath, near Manchester; and The Hill, Teignmouth.

1897. Spencer, Thomas Harris, Globe Tube Works, Wednesbury. [*Tubes, Wednesbury. 6504.*]

1891. Spencer, William, Messrs. James Spencer and Co., Chamber Iron Works, Hollinwood, near Manchester.

1885. Spooner, George Percival, 62d Salusbury Road, West Kilburn, London, N.W.

1883. Spooner, Henry John, Director and Professor of Engineering at the Polytechnic School of Engineering, 309 Regent Street, London, W.

1896. Spring, Francis Joseph Edward, C.I.E., Chairman, Harbour Trust Board, Madras, India.

1901. Sprott, Robert Edmund, Bridgewater Collieries and Ellesmere Estates, Walkden, Manchester.

1904. Spurrier, Henry, Managing Director, Lancashire Steam Motor Co., Leyland, Preston. [*Motor, Leyland.* 7.]

1897. Stagg, William, Avon Street Gas Works, Bristol.

1899. Stamer, Arthur Cowie, Locomotive Department, North Eastern Railway, Gateshead.

1905. Stanfield, Richard, Professor of Engineering, Heriot-Watt College, Edinburgh.

1888. Stanley, Harry Frank, Messrs. H. Pontifex and Sons, Farringdon Works, Shoe Lane, London, E.C.; and 1 Albert Mansions, Crouch Hill, London, N.

1901. Stead, William, Yew Tree Lodge, Eccles.

1897. Steele, James, Works Manager, Messrs. R. Y. Pickering and Co., Wishaw, near Glasgow.

1901. Steele, Robert, 6 Gracechurch Street, London, E.C. [*Forenoon, London.* Avenue 972.]

1901. Steele, William Russell, Messrs. Burn and Co., Howrah Iron Works, Howrah, Bengal, India.

1901. Stenning, Henry Alexander, Ivanhoe, Teddington Park Road, Teddington.

1899. Stephens, Charles Robert, Manager, Messrs. Stephens and Son, Ashfield, Falmouth. [*Stephens, Falmouth.* 10.]

1879. Stephenson, Joseph Gurdon Leycester, 33A The Broadway, Hammersmith, London, W. [*Stephenson, Broadway, Hammersmith.* Western 140.]

1888. Stephenson-Peach, William John, Kirkleatham, Great Malvern.

1876. Sterne, Louis, Messrs. L. Sterne and Co., Crown Iron Works, Glasgow [*Crown, Glasgow.*]; and Donington House, Norfolk Street, London, W.C. [*Elsterne, London.* Gerrard 1989.]

1898. Stevens, Arthur James, Managing Director, Uskside Iron Works, Newport, Monmouthshire. [*Uskside, Newport, Mon.* P.O. 29; Nat. 53.] (Former Member 1875-1886.)

1891. Stevens, James, 9 and 11 Fenchurch Avenue, London, E.C.

1902. Stevenson, Charles William, Locomotive Superintendent, Companhia Mogyana, Campinas, Brazil.

1887. Stevenson, David Alan, F.R.S.E., 84 George Street, Edinburgh.

1902. Stevenson, Graham Morton, 6 High Street, Cardiff. [*Spica, Cardiff.* 0719.]

1898. Stevenson, Hew, Messrs. Crompton and Co., Salisbury House, London Wall, London, E.C.

1906. Stevenson, James John, Chief Engineer, Messrs. Richard Thomas and Co., South Wales Works, Llanelli.

1903. Stewart, George, Retreat, Adele Street, Motherwell.

1905. Stewart, James, Scottish Co-operative Wholesale Society, Shieldhall, Glasgow; and 3 Keir Street, Pollokshields, Glasgow.

1904. Still, William, 150 Leadenhall Street, London, E.C.

1906. Stirk, Greenwood, Messrs. John Stirk and Sons, Ovenden Road, Halifax.

1905. Stirling, David Edward, Locomotive Superintendent, Taltal Railway Co., Taltal, Chile.

1880. Stirling, James, Belmore, Ashford, Kent.

1885. Stirling, Matthew, Locomotive Superintendent, Hull Barnsley and West Riding Junction Railway and Dock Co., Hull.

1888. Stirling, Robert, 12 The Avenue, Colchester.

1898. Stirling, Robert, The Mount, Limpsfield, S.O., Surrey.

1898. Stobie, George, Government Harbour Department, Durban, Natal.

1901. Stocker, Percy, Engineer Lieut. R.N., Royal Naval Engineering College, Devonport.

1893. Stockton, Joseph Sadler, Managing Director, Carbrook Steel Works, Sheffield; and Beech House, Whiteley Woods, Sheffield.

1902. Stodola, Aurel, Professor of Mechanical Engineering, École Polytechnique Fédérale, Zürich, Switzerland.

1887. Stone, Frank Holmes, Ilfracombe House, Pitsea, S.O., Essex.

1894. Stone, Sidney, 75 Finsbury Pavement, London, E.C.

1903. Storey, Percival, Electrical Engineer, Electricity Works, Torquay.

1901. Stormont, Peter Campbell, 125 Hamilton Place, Aberdeen.

1877. Stothert, George Kelson, Steam Ship Works, Bristol.

1906. Stowe, George Sully, P.O. Box 5465, Johannesburg, Transvaal.

1892. Strachan, John, Craigisla, Penylan, Cardiff.

1888. Straker, Sidney, Messrs. Sidney Straker and Squire, Nelson Square, Blackfriars, London, S.E. [*Rhomoidal, London.* 369 and 370 Hop.]

1904. Stratton, John, Chief Mechanical Engineer, Messrs. W. T. Glover and Co., Trafford Park, Manchester.

1897. Strickland, Frederic, 2 Southfield Gardens, Strawberry Hill, Twickenham.

1895. Stromeyer, Johann Philipp Edmond Charles, Manchester Steam Users' Association, 9 Mount Street, Manchester.

1899. Stubbs, Joseph Hetherington, Mill Street Works, Ancoats, Manchester. [*Winding, Manchester.*]

1882. Sugden, Thomas, 180 Fleet Street, London, E.C. [Holborn 186.]

1890. Sulzer, Jacob, Messrs. Sulzer Brothers, Winterthur, Switzerland.

1906. Sunner, John Harley, Telegraph Street, Singapore, Straits Settlements.

1899. Surtees, Henry Wardale, Parker Foundry Co., Derby.

1883. Sutton, Joseph Walker, 36 Bedford Street, Strand, London, W.C.

1882. Swaine, John, Publow Vicarage, Pensford, Bristol.

1884. Swan, Sir Joseph Wilson, F.R.S., 57 Holborn Viaduct, London, E.C.; and 58 Holland Park, London, W.

1906. Swanson, John Hunter, Messrs. Howarth Erskine, Bangkok, Siam.

1898. Swasey, Ambrose, Messrs. Warner and Swasey, Cleveland, Ohio, United States.

1903. Swift, John Crane, Messrs. Thompson Brothers, 155 Fenchurch Street, London, E.C.

1897. Swinburne, George, 99 Queen Street, Melbourne, Victoria.

1898. Swinburne, James, 82 Victoria Street, Westminster, S.W. [Westminster 292.]

1882. Swinburne, Mark William, Wallsend Brass Works, Newcastle-on-Tyne; and The Cottage, Jesmond Park East, Newcastle-on-Tyne. [Bronze, Wallsend.]

1901. Swinburne, William, Manager, Melbourne Hydraulic Power Co., 99 Queen Street, Melbourne, Victoria.

1864. Swindell, James Swindell Evers, Homer Hill, Cradley, Staffordshire.

1898. Swingler, Alfred, Messrs. Eastwood, Swingler and Co., Victoria and Railway Iron Works, Derby. [Swingler, Derby. 150.]

1905. Sykes, Joseph Charles, W. R. Sykes Interlocking Signal Co., Station Road, Clapham, London, S.W.

1900. Taggart, William Scott, Eastbank, Smithills, Bolton.

1878. Taite, John Charles, New Taite Howard Pneumatic Tool Co., 63 Queen Victoria Street, London, E.C. [6925 Central.]

1895. Takimura, Takeo, General Manager, Osaka Cotton Mill, Osaka, Japan.

1901. Talbot, Benjamin, County Bank Chambers, Middlesbrough.

1905. Tandy, John O'Brien, Locomotive Department, London and North Western Railway, Crewe. [Former Member 1882-1894.]

1875. Tangye, George, Messrs. Tangyes, Cornwall Works, Soho, near Birmingham. [Tangyes, Birmingham.]

1889. Tangye, Harold Lincoln, Messrs. Tangyes, Cornwall Works, Soho, near Birmingham.

1861. Tangye, James, Messrs. Tangyes, Cornwall Works, Soho, near Birmingham; and Aviary Cottage, Illogan, near Redruth.

1885. Tangye, John Henry, Messrs. Tangyes, Cornwall Works, Soho, near Birmingham.

1895. Tannett, John Croysdale, Messrs. Fullerton, Hodgart and Barclay, Vulcan Works, Paisley.

1891. Tannett-Walker, Arthur Tannett, Messrs. Tannett Walker and Co., Goodman Street Works, Hunslet, Leeds.

1899. Taplin, John Minter, Surveyor, Vulcan Boiler and General Insurance Co., 12 Alloa Road, Goodmayes, Ilford.

1879. Tatt, William, Maythorn, South Godstone, Surrey.

1876. Taunton, Richard Hobbs, 10 Coleshill Street, Birmingham.

1874. Taylor, Arthur, Manager, Sociedad Minera Dos Naciones, Posadas, Cordoba, Spain.

1900. Taylor, Charles Gerald, Engineer Commander R.N., Royal Naval College, Dartmouth.

1898. Taylor, Edward, Jun., Windsor Steam Laundry, Windsor.

1900. Taylor, Edward Brough, Caxton House, Westminster, S.W.

1884. Taylor, Joseph, Holme Lea, Tatton Road North, Heaton Moor, near Stockport.

1875. Taylor, Joseph Samuel, Messrs. Taylor and Challen, Derwent Foundry, 60 and 62 Constitution Hill, Birmingham. [*Derwent, Birmingham.*]

1907. Taylor, Newman, Messrs. Macbeth Brothers and Co., Bombay, India.

1893. Taylor, Robert, Jun., Works Manager, Messrs. Asa Lees and Co., Soho Iron Works, Oldham.

1882. Taylor, Robert Henry, Stanton Villa, 230 Lewisham High Road, St. John's, London, S.E.

1894. Taylor, William, Messrs. Taylor, Taylor and Hobson, Stoughton Street Works, Leicester. [*Lenses, Leicester.* 134.]

1901. Taylor, William, Messrs. Taylor Brothers, Midland Engineering and Foundry Works, Sandiacre, near Nottingham. [*Taylor Bros., Sandiacre.* 1635.]

1902. Taylor, William, Superintending Engineer, Messrs. Swift and Co., 30 Campbell Street, Bootle, Liverpool.

1896. Taylor, William Isaac, Messrs. Clarke, Chapman and Co., 50 Fenchurch Street, London, E.C.

1895. Tebbutt, Sidney, Bagenholt, Northlands Road, Southampton.

1904. Templer, Henry Lethbridge, Messrs. Blane and Co., P.O. Box 435, Johannesburg, Transvaal.

1899. Tennant, William John, Messrs. Boult, Wade and Tennant, 111 Hatton Garden, London, E.C.

1882. Terry, Stephen Harding, 17 Victoria Street, Westminster, S.W. [*Crankpin, London.* Westminster 75.]

1891. Tetlow, Ernest, Messrs. Tetlow Brothers, Bottoms Iron Works, Hollinwood, near Manchester.

1899. Thackeray, Thomas, Messrs. Vickers, Sons and Maxim, Barrow-in-Furness.

1877. Thom, William, Messrs. Yates and Thom, Canal Foundry, Blackburn.

1904. Thomas, Fred Whittaker, Chief Engineer, Messrs. John Crossley and Sons, Halifax.

1896. Thomas, James Martin, Superintending Engineer, Boston and Dominion Lines of Steamers; 15 Pembroke Road, Bootle, Liverpool.

1900. Thomas, John Frederick Ivor, General Manager, Municipal Electric Supply and Tramway Depts., Municipal Offices, Johannesburg, Transvaal.

1867. Thomas, Joseph Lee, 2 Hanover Terrace, Ladbroke Square, Notting Hill, London, W.

1897. Thomas, Lewis Richard, Great Western Railway Works, Swindon; and Highmead, 149 Cromwell Road, Bristol.

1906. Thomas, Richard Beaumont, South Wales Works, Llanelli.

1900. Thompson, George William, Chief Engineer, Messrs. Harrods, Brompton Road, London, S.W.; and 11 Gunterstone Road, West Kensington, London, W.

1875. Thompson, John, Ettingshall Boiler Works, Wolverhampton. [*Boiler, Wolverhampton. 19.*]

1903. Thompson, John Hannay, Harbour Engineer, Dundee.

1900. Thompson, John Robert, 306 Wells Road, Knowle, Bristol.

1883. Thompson, Richard Charles, Messrs. Robert Thompson and Sons, Bridge Dockyard, Sunderland.

1887. Thompson, William Phillips, 6 Lord Street, Liverpool. [*Patent, Liverpool. 1605.*]

1900. Thomson, George, Natal Government Harbour Works, Port Natal, South Africa.

1904. Thomson, George, 11 Randolph Place, Edinburgh. [*03124 Central.*]

1868. Thomson, John, 3 Crown Terrace, Dowanhill, Glasgow.

1893. Thornbery, William Henry, 32 Paradise Street, Birmingham. [*Thornbery, Birmingham. 1889.*]

1898. Thorneley, William, Abbey Hey House, Gorton, Manchester.

1868. Thornewill, Robert, Messrs. Thornewill and Warham, Burton Iron Works, Burton-on-Trent.

1885. Thornley, George, Messrs. Buxton and Thornley, Waterloo Engineering Works, Burton-on-Trent.

1877. Thornton, Frederic William, The Hydraulic Engineering Co., Chester.

1882. Thornton, Hawthorn Robert, Sandilli House, Uitenhage, Cape Colony.

1876. Thornycroft, Sir John Isaac, LL.D., F.R.S., Messrs. John I. Thornycroft and Co., Church Wharf, Chiswick, London, W. [*Thornycroft, London. 6 Hammersmith.*]; and Eyot Villa, Chiswick Mall, Chiswick, London, W.

1882. Thow, William, Chief Mechanical Engineer, New South Wales Government Railways, Eveleigh, Sydney, New South Wales: (or care of Joseph Meilbek, 13 Victoria Street, Westminster, S.W.)

1895. Threlfall, George, Savage Club, 6 Adelphi Terrace, Strand, London, W.C.

1898. Ticehurst, Hugh Gorham, Thames Ammunition Works, Erith, S.O., Kent; and Telham, Freta Road, Bexley Heath, Kent.

1885. Timmermans, François, Managing Director, Société anonyme des Ateliers de la Meuse, Liége, Belgium. [*Société Meuse, Liége.*]

1890. Titley, Arthur, Beechwood, Hartopp Road, Four Oaks, Sutton Coldfield, near Birmingham.

1875. Tomkins, William Steele, Broughton House, near Stockbridge, Hants.

1900. Tottle, Edward George, Works Manager, Wicks Rotary Type Casting Co., Willesden Junction, London, N.W. [*Enargite, London.* Harlesden 15.]; and 38 Wimborne Gardens, Ealing, London, W.

1894. Touche, John Edward, Throgmorton House, 15 Copthall Avenue, London, E.C. [9691 London Wall.]

1889. Towler, Alfred, Messrs. Hathorn Davey and Co., Sun Foundry, Leeds.

1896. Trafford, Alfred, Clifton Road, Sutton Coldfield, Birmingham.

1890. Trail, John, Marine Superintendent, Knott's Prince Line of Steamers, Newcastle-on-Tyne; and 21 Grosvenor Place, Newcastle-on-Tyne.

1901. Travers, Ernest James, Messrs. Travers and Co., Britannia Works, Belfast.

1888. Travis, Henry, Superintending Engineer and Constructor of Shipping to the War Department, Royal Dockyard, Woolwich.

1889. Treharne, Gwilym Alexander, 18 Canon Street, Aberdare. [*Treharne, Aberdare.* 18.]

1883. Trentham, William Henry, 39 Victoria Street, Westminster, S.W.

1876. Trevithick, Richard Francis, Kingsley, Westwood Road, Southampton.

1887. Trier, Frank, Messrs. Brunton and Trier, 1 Great George Street, Westminster, S.W.

1896. Trotter, Alexander Pelham, Board of Trade, 8 Richmond Terrace, Whitehall, London, S.W.

1906. Trowell, William John, Inspector Marine Surveys, Singapore, Straits Settlements.

1899. Trunchion, William Thomas Fawdon, Messrs. Grafton and Co., Vulcan Works, Bedford.

1901. Tullis, David Kiel, Messrs. D. and J. Tullis, Kilbowie Iron Works, near Glasgow. [*Tullis, Clydebank.*]

1903. Tully, William, 16 Water Lane, Great Tower Street, London, E.C. [*Glist, London.* 975 Central.]

1887. Turnbull, Alexander, Messrs. Alexander Turnbull and Co., St. Mungo Works, Bishopbriggs, Glasgow. [*Valve, Glasgow.* Royal 4394.]

1904. Turnbull, William Lawrie, Messrs. John Turnbull, Jun., and Sons, 190 West George Street, Glasgow. [*Turbine, Glasgow.* 861 Corporation.]

1894. Turner, Albert, Whitehouse Machine Works, Denton, near Manchester. [*Machines, Denton.* 205.]

1897. Turner, Alfred, Works Manager, Messrs. George Jones, Lionel Street, Birmingham.

1866. Turner, Frederick, Messrs. E. R. and F. Turner, St. Peter's Iron Works, Ipswich. [*Gippeswyk, Ipswich.*]

1882. Turner, Thomas, Messrs. Andrew Barclay, Sons and Co., Caledonia Works, Kilmarnock. [*Barclayson, Kilmarnock.* 10.]

1876. Turney, Sir John, Messrs. Turney Brothers, Trent Bridge Leather Works, Nottingham. [*Turney, Nottingham.*]

1899. Turton, William Henry, 220 Burrage Road, Plumstead.

1882. Tweedy, John, Messrs. Wigham Richardson and Co., Newcastle-on-Tyne.

1897. Twelvetrees, Walter Noble, 91 Louisville Road, Tooting, London, S.W. [1221 Battersea.]

1906. Twentyman, Harold Edward, Messrs. Henry Rogers, Sons and Co., Wolverhampton.

1902. Twinberrow, James Denis, 15 New Bridge Street, Newcastle-on-Tyne.

1856. Tyler, Sir Henry Whatley, K.C.B., Linden House, Highgate Road, London, N.W.

1903. Ullmann, William Charles, Engineer, East Ham Council, Electric Lighting and Tramways Department, Nelson Street, East Ham, London, E.; and 20 Forest Drive, Manor Park, London, E.

1896. Umney, Herbert Williams, 19 Sylvan Road, Upper Norwood, London, S.E.

1899. Unsworth, Herbert George, The Cliff, Railway Avenue, Colombo, Ceylon.

1904. Unsworth, Robert Harry, Works Manager, Messrs. Ransomes and Rapier, Waterside Iron Works, Ipswich; and Willoughby Road, Ipswich.

1898. Urie, Robert Wallace, London and South Western Railway, Nine Elms, London, S.W.

1899. Urie, William Montgomerie, Works Manager, Caledonian Railway, St. Rollox, Glasgow.

1901. Urmston, Peter, Danelova Manufactur, Moscow, Russia.

1898. Urwick, Arthur John, The Nevile Engineering Co., Worcester.

1905. Utting, John, Chief Mechanical Engineer, Gun Carriage Factory, Jubbulpore, C.P., India.

1880. Valon, William Andrew McIntosh, 140 and 141 Temple Chambers, Temple Avenue, London, E.C.; and Ramsgate. [*Valon, Ramsgate.*]

1895. Van Raalte, Joseph, General Manager, Royal Shipbuilding and Engineering Works, Flushing, Holland. [*Schelde, Flushing.*]

1901. Vaughan, Cedric, Managing Director, Hodbarrow Mining Co., Millom, R.S.O., Cumberland; and Leyfield, Millom, R.S.O., Cumberland.

1904. Vaughan, Henry Hogue, Superintendent of Motive Power, Canadian Pacific Railway, Montreal, Canada.

1901. Vaughan, John Alfred, Chief Inspector of Machinery, P.O. Box 1132, Johannesburg, Transvaal.

1885. Vaughan, William Henry, Royal Iron Works, West Gorton, Manchester. [*Vaunting, Manchester.* 5106.]

1897. Vaux, Walter, 5 Sandheys Avenue, Waterloo, Liverpool.

1862. Vavasseur, Josiah, 28 Gravel Lane, Southwark, London, S.E.; and Rothbury, Blackheath Park, London, S.E. [*Exemplar, London.*]

1900. Veen, Vernon Alfred Alexander ter, Engineer Lieut. R.N., H.M.S. "Usk," care of Postmaster-General, London, E.C.

1899. Vernon, Charles Edward, London and India Docks Joint Committee, 109 Leadenhall Street, London, E.C.

1902. Vernon, Percy Venables, Messrs. Alfred Herbert, Coventry.

1889. Vesian, John Stuart Ellis de, care of L. G. Mouchel, 38 Victoria Street, Westminster, S.W.

1865. Vickers, Albert, Messrs. Vickers, Sons and Maxim, River Don Works, Sheffield.

1861. Vickers, Thomas Edward, C.B., Messrs. Vickers, Sons and Maxim, River Don Works, Sheffield.

1856. Waddington, John, 35 King William Street, London Bridge, London, E.C. [Bank 518.]

1899. Waddington, Richard, 35 King William Street, London Bridge, London, E.C. [Bank 518.]

1906. Wade, William Reginald, The Mount, Henbury, Macclesfield.

1901. Wadia, Nusserwanjee Nowrosjee, Messrs. Nowrosjee Wadia and Sons, Bombay, India; and Bella Vista, Cumballa Hill, Bombay, India.

1903. Waight, John, Kiang-nan Dock and Engineering Works, Shanghai, China.

1902. Wainford, Richard Hanbury, Caverswall Lane, Blyth Bridge, Stoke-on-Trent.

1898. Wainwright, John William, Parliament Mansions, Victoria Street, Westminster, S.W. [*Retocar, London.* 5323 Westminster.]

1888. Waister, William Henry, Locomotive and Carriage Running Department, Great Western Railway, Swindon.

1881. Wake, Henry Hay, Engineer to the River Wear Commission, Sunderland.

1882. Wakefield, William, 123 Rathgar Road, Dublin.

1892. Waldron, Patrick Lawrence, R.N.R., 24 St. Joseph's Road, Aughrim Street, Dublin.

1898. Walke, Charles Nicholas Eves, Inspector of Steam Boilers, Town Custom House, Bombay, India.

1890. Walkeden, George Henry, 47 Kensington Gardens, Ilford.

1902. Walker, Edwin Robert, Messrs. Walker Brothers, Pagefield Iron Works, Wigan. [*Pagefield, Wigan.* 14.]

1898. Walker, Frederic James, General Manager, St. James' and Pall Mall Electric Light Co., Carnaby Street, Golden Square, London, W. [*Licencable, London.* Gerrard 5082.]

1890. Walker, Henry, 9 Gladstone Terrace, Gateshead.

1894. Walker, Henry Claude, Messrs. R. Waygood and Co., Falmouth Road, Great Dover Street, London, S.E. [*Waygood, London.* Hop 760.]

1875. Walker, John Scarisbrick, Messrs. Walker Brothers, Pagefield Iron Works, Wigan; and 15 Park Crescent, Southport. [*Pagefield, Wigan.* 14.]

1902. Walker, Percy, Works Manager, Messrs. Callender's Cable and Construction Co., Belvedere, S.O., Kent.

1901. Walker, Robert, Messrs. Whittaker Hall and Co., Black Lane Engineering Works, Radcliffe, Manchester.

1905. Walker, Robert Lea, Messrs. Walker Brothers, Pagefield Iron Works, Wigan.

1876. Walker, Thomas Ferdinand, Ship's Log Manufacturer, 58 Oxford Street, Birmingham.

1890. Walker, William George, Emery Hill Street, Ashley Gardens, Westminster, S.W.

1878. Walker, Zaccheus, Jun., Fox Hollies Hall, near Birmingham.

1897. Wall, Charles Henry, 27 Curzon Chambers, Paradise Street, Birmingham.

1884. Wallace, John, Backworth Collieries, near Newcastle-on-Tyne.

1902. Wallace, John Crawford, 139 Culverley Road, Catford, London, S.E.

1884. Wallau, Frederick Peter, Superintendent Engineer, Union-Castle Mail Steamship Co., Southampton.

1901. Waller, William, 28 to 32 Vauxhall Walk, London, S.E. [*Stampings, London.* Hop 1423.]

1904. Wallis, George Pearson, Mount Royal, Horsforth, Leeds.

1868. Wallis, Herbert, 239 Drummond Street, Montreal, Canada.

1893. Wallwork, Roughsedge, Union Bridge Iron Works, Charter Street, Manchester.

1891. Walmsley, John, General Manager, Messrs. J. and P. Coats, Ferguslie Thread Works, Paisley.

1865. Walpole, Thomas, Windsor Lodge, Monkstown, Co. Dublin.

1905. Walton, George Laird, Superintendent Engineer, Marine Department, Lagos, West Africa.

1881. Warburton, John Seaton, 19 Stanwick Road, West Kensington, London, W.

1901. Ward, John, Superintendent Engineer, Amazon Steam Navigation Co., Para, North Brazil.

1864. Warden, Walter Evers, Phoenix Bolt and Nut Works, Handsworth, R.O., near Birmingham. [*Bolts, Birmingham.*]

1900. Warden-Stevens, Frederic J., 34 Victoria Street, Westminster, S.W.

1882. Wardle, Edwin, Messrs. Manning Wardle and Co., Boyne Engine Works, Hunslet, Leeds. [*Manning, Leeds.*]

1904. Warlow, Frederick Arthur, Messrs. Edgar Allen and Co., Imperial Steel Works, Sheffield. [*Allen, Sheffield.*]

1886. Warren, Frank Llewellyn, 120 Fenchurch Street, London, E.C. [*Vibroscope, London.* 9423 Central.]

1899. Warren, Frederick Fridlezius, Managing Director, Messrs. Ross and Walpole, North Wall Iron Works, Dublin. [*Iron, Dublin.* 311.]

1885. Warren, William, Huinac (vía Huaraz, Casilla 12), Peru. *Viá New York.*

1897. Warren, William, Works Manager, Southwick Engine Works, near Sunderland.

1901. Warriner, Robert, Manager, Thames Engineering Works, Greenwich, London, S.E.

1889. Warsop, Thomas, Launder Street Engineering Works, Nottingham.

1900. Watchurst, Charles Leese, 96 Victoria Street, Westminster, S.W.

1881. Watkins, Alfred, 58 Fenchurch Street, London, E.C.

1902. Watkinson, Frederick George, Chief Engineer, Messrs. Thomas De La Rue and Co., 110 Bunhill Row, London, E.C.

1890. Watkinson, William Henry, Professor of Engineering, Walker Engineering Laboratories, The University, Liverpool.

1900. Watney, Thomas Savile, 32-34 Greek Street Chambers, Park Row, Leeds. [*Energy, Leeds.* 2229.]

1905. Watson, Frank Leslie, General Manager, Horsfall Destructor Co., Lord Street Works, Whitehall Road, Leeds.

1893. Watson, George, 39 Victoria Street, Westminster, S.W. [*Meterage, London.*]

1900. Watson, George, Managing Director, Horsfall Destructor Co., Lord Street Works, Whitehall Road, Leeds. [*Destructor, Leeds.* 2006.]

1890. Watson, George Coghlan, Manganese Bronze and Brass Co., St. George's Wharf, Deptford, London, S.E.; and 3 Ashburton Road, Croydon.

1882. Watson, Henry Burnett, Messrs. Henry Watson and Son, High Bridge Works, Newcastle-on-Tyne. [*Watsons, Newcastle-on-Tyne.* 6517.]

1896. Watson, James Falshaw, 15 Shaw Lane, Headingley, Leeds. [*Inspection, Leeds.*]

1903. Watson, John, Chief Engineer, Pearson and Knowles Coal and Iron Co., Warrington.

1897. Watson, John B., Manager, British Uralite Works, Higham, Rochester; and King's Farm House, Lower Shorne, Gravesend.

1897. Watson, Thomas John, 32 Grainger Street West, Newcastle-on-Tyne.

1902. Watson, William Cummings, Messrs. R. and W. Hawthorn, Leslie and Co., Forth Banks Works, Newcastle-on-Tyne.

1904. Watt, Adam, 1 St. Nicholas Buildings, Newcastle-on-Tyne.

1877. Watts, John, 8 Nelson Street, Bristol.

1902. Watts, Sir Philip, K.C.B., F.R.S., Director of Naval Construction, Admiralty, Whitehall, London, S.W.

1902. Way, Edward John, care of Messrs. Farrar Brothers, 54 Old Broad Street, London, E.C.

1897. Waynfirth, Harry Morton, Assistant Professor of Engineering, King's College, Strand, London, W.C.

1897. Wearing, John Evenden, Swan Buildings, Edmund Street, Birmingham.

1886. Weatherburn, Robert, Sunnybank, Shakespeare Road, Acton, London, W.

1894. Webb, Henry, Messrs. Joseph Webb and Co., Irwell Forge and Rolling Mills, Bury, Lancashire.

1884. Webb, Richard George, Messrs. Richardson and Cruddas, Byculla Iron Works, Bombay, India: (or care of Messrs. Richardson and Hewett, 101 Leadenhall Street, London, E.C.)

1901. Webb, Thomas Henry, Birmingham Small Arms Co., Small Heath, Birmingham.

1901. Webster, Francis John, Locomotive Department, Great Northern Railway, Doncaster.

1890. Webster, John James, 39 Victoria Street, Westminster, S.W.

1887. Webster, William, Gresham House, Battery Road, Singapore, Straits Settlements.

1891. Weightman, Walter James, care of Messrs. King, King and Co., Bombay, India.

1906. Weir, William, Managing Director, Messrs. G. and J. Weir, Holm Foundry, Cathcart, Glasgow.

1888. Wellman, Samuel T., Wellman-Seaver-Morgan Engineering Co., Cleveland, Ohio, United States.

1898. Wells, George James, Rose Mount, Pleasington, Blackburn.

1886. Wesley, Joseph A., Clarke's Crank and Forge Works, Lincoln.

1882. West, Charles Dickinson, Professor of Mechanical Engineering, Imperial College of Engineering, Tokyo, Japan.

1895. West, Charles Herbert, Messrs. Henry H. West and Son, 5 Castle Street, Liverpool. [Referee, Liverpool. Central 5223.]

1898. West, Ernest Henry, Messrs. H. J. West and Co., Stamford Works, Southwark Bridge Road, London, S.E. [Copperworm, London. Hop 879.]

1894. West, John, Albion Iron Works, Miles Platting, Manchester.

1891. West, Leonard, Ravenhead Plate Glass Works, St. Helens, Lancashire.

1874. West, Nicholas James, Le Châlet, Braddons Hill Road (East), Torquay.

1877. Western, Charles Robert, Broadway Chambers, Westminster, S.W. [Donbowes, London. Westminster 199.]

1877. Western, Maximilian Richard (Life Member), 73 Iverna Court, Kensington High Street, London, W.

1902. Westgarth, Tom, Managing Director, Messrs. Richardsons, Westgarth and Co., Middlesbrough. [*Westgarth, Middlesbrough.* 202.]

1895. Westmacott, Henry Armstrong, Benridge Hall, Ponteland, Newcastle-on-Tyne.

1862. Westmacott, Percy Graham Buchanan, Sir W. G. Armstrong, Whitworth and Co., Elswick Engine Works, Newcastle-on-Tyne; and Rose Mount, Sunninghill, Ascot.

1880. Westmoreland, John William Hudson, Lecturer on Engineering, University College, Nottingham.

1903. Weston, Thomas Wilson, Messrs. Joseph Watson and Sons, Whitehall Soap Works, Leeds.

1888. Weyman, James Edwardes, Cathedral Buildings, Newcastle-on-Tyne.

1900. Whale, George, Chief Mechanical Engineer, London and North Western Railway, Crewe.

1896. Wheeler, Percy, General Manager, Oldbury Railway-Carriage and Wagon Works, Oldbury, near Birmingham. [*Carriage Co., Oldbury.*]

1898. Whitaker, Alfred, Resident Locomotive Superintendent, Somerset and Dorset Joint Railway, Highbridge, R.S.O., Somersetshire.

1894. Whitby, Arthur George, Amberwood, Bitterne Park, Southampton.

1882. White, Alfred Edward, City Engineer, Hull.

1901. White, Alfred Francis, Superintendent Engineer, Nippon Yusen Kaisha, Tokyo, Japan.

1901. White, Robert, 3 Victoria Street, Westminster, S.W.

1888. White, Sir William Henry, K.C.B., LL.D., D.Sc., F.R.S., late Assistant Controller of the Navy and Director of Naval Construction, Cedarcroft, Bristol Gardens, Putney Heath, London, S.W.

1900. Whitehead, Arthur, Messrs. James Armstrong and Co., 116 Queen Victoria Street, London, E.C. [*Tolamaco, London.* 1476 Central.]

1905. Whitehead, Harold Frederick Crossley, Station Buildings, Rochdale.

1902. Whitehead, Thomas Ross, Resident Engineer and Manager, Coventry Electric Tramways, Coventry.

1890. Whitehouse, Edwin Edward Joseph, Monkbridge Iron Works, Leeds.

1906. Whiteside, Richard Fletcher, Works Manager, Messrs. Milners' Safe Co., Phoenix Safe Works, Liverpool. [1004 Royal.]

1900. Whitmore, Frank Leonard, Messrs. Fraser and Chalmers, Erith, S.O., Kent.

1902. Whittaker, Frederick William, Chief Engineer, Bradford Dyers' Association, 39 Well Street, Bradford.

1891. Whittaker, John, Messrs. William Whittaker and Sons, Sun Iron Works, Oldham.

1897. Whittell, Alfred Leighton, Surveyor, Lloyd's Register, 15 Bank Street, Fort, Bombay, India.

1903. Wicks, Gerald Hamilton, Calle de Cuatro Arboles 27B, Popotla, Mexico D. F., Mexico.

1878. Wicks, Henry, 7 Kent Terrace, Regent's Park, London, N.W.

1897. Wicksteed, Charles, Stamford Road Works, Kettering.

1868. Wicksteed, Joseph Hartley, Messrs. Joshua Buckton and Co., Well House Foundry, Meadow Road, Leeds.

1897. Widdowson, John Henry, Britannia Works, Ordsal Lane, Salford, Manchester; and 25 Withington Road, Whalley Range, Manchester. [*Taps, Salford.*]

1906. Wilby, Frank Burdett, River Plate Fresh Meat Co., 2 Coleman Street, London, E.C.

1895. Wild, Adamson George, care of W. S. Laycock, Victoria Street Works, Sheffield.

1890. Wildy, William Lawrence, 26 Petherton Road, Highbury, London, N.

1892. Wilkinson, Edward R., Harwell House, Fortis Green, Finchley, London, N.

1902. Wilkinson, Francis Alan, Electrical Engineer, Borough of St. Marylebone Electricity Department, 19 and 20 York Place, London, W.

1898. Wilkinson, George, Beech Mount, Otley Road, Harrogate.

1903. Wilkinson, Henry Daniel, 4 Queen Street Place, London, E.C. [*Conspicio, London.*]

1903. Wilks, Edward Charles, 12 Beaconsfield Arcade, Hong Kong, China.

1901. Willatt, William Henry, Messrs. Reckitt and Sons, Hull.

1905. Willcocks, Frederick Rowe, Chief Engineer, Clayton Amline Co., Clayton, Manchester.

1900. Williams, Arthur, Apartado 930, Mexico City, Mexico.

1893. Williams, Arthur Edward, Resident Engineer, Dagenham Dock, Essex.

1883. Williams, Sir Edward Leader, Engineer, Manchester Ship Canal Co., 41 Spring Gardens, Manchester [*Leader, Manchester.* 688.]; and The Oaks, Altrincham.

1899. Williams, Hal, Messrs. Hal Williams and Bridges, 3 Salters' Hall Court, Cannon Street, London, E.C. [*Kawaka, London.* 3333 Central.]

1895. Williams, Henry Watson, Essex Street, Fremantle, Western Australia.

1884. Williams, John Begby, Central Marine Engine Works, West Hartlepool.

1901. Williams, John Norman Spencer, Hawaiian Commercial and Sugar Co., Kahului, Maui, T. H., Hawaiian Islands.

1905. Williams, Mansell Vaughan, Chief Engineer, Messrs. Cammell, Laird and Co., Derwent Iron and Steel Works, Workington.

1847. Williams, Richard (*Life Member*), Brunswick House, Wednesbury.

1881. Williams, William Freke Maxwell, 20 Great St. Helen's, London, E.C. ; and North Lodge, Windsor Forest.

1899. Williams, William Henry, Divisional Locomotive Superintendent, Great Western Railway, Swindon.

1889. Williams, William Walton.

1897. Williams, Wyndham Henry, Messrs. Arthur Butler and Co., Mozufferpore, Tirhoot, India.

1883. Williamson, Richard, Messrs. Richard Williamson and Son, Iron Shipbuilding Yard, Workington; and South Lodge, Cockermouth.

1889. Willis, Edward Turnley, Kingsbury Collieries, Tamworth; and Eversley, Albert Road, Tamworth.

1897. Wills, Frank, Messrs. W. and F. Wills, Perseverance Works, Bridgwater.

1878. Wilson, Sir Alexander, Bart., Messrs. Cammell, Laird and Co., Cyclops Steel and Iron Works, Sheffield.

1882. Wilson, Alexander Basil, Maryville House, Malone, Belfast. [201.]

1890. Wilson, Alexander Cowan, care of L. P. Nott, 13 Castle Street, Liverpool.

1900. Wilson, Henry, Works Manager, Messrs. A. and T. Burt, Dunedin, New Zealand.

1881. Wilson, John, Engineer, Great Eastern Railway, Liverpool Street Station, London, E.C. [*Wilson, Eastern, London.*]

1890. Wilson, Joseph William, Principal of School of Practical Engineering, Crystal Palace, Sydenham, London, S.E.

1891. Wilson, Thomas (*Life Member*), Casilla 259, Iquique, Chile.

1873. Wilson, Thomas Sipling, Messrs. Rose, Downs and Thompson, Old Foundry, Hull.

1897. Wilson, William Campbell, Messrs. Charles Burrell and Sons, St. Nicholas Works, Thetford.

1899. Wilson, William Hope, 2 Nithsdale Place, Pollokshields, Glasgow.

1901. Wilton, Bartel, Messrs. Wilton's Yard, Westseedyk 402, Rotterdam, Holland.

1891. Wimshurst, James Edgar, Superintendent Engineer, Royal Mail Steam Packet Co., Southampton.

1907. Winder, Oliver, Works Manager, Locomotive Works, Lancashire and Yorkshire Railway, Horwich, Lancs.

1900. Wingfield, Charles Humphrey, 25 Victoria Street, Westminster, S.W. [666 Westminster.]

1890. Wingfield, Digby Charles, Harland Rise, Polworth Road, Streatham, London, S.W.

1887. Winmill, George, Rushcroft, Chaucer Road, Bedford.

1898. Winn, Charles Reginald, Messrs. Charles Winn and Co., St. Thomas Works, Granville Street, Birmingham. [*Winn, Birmingham.* 366.]

1896. Winston, Harold Holmes, Messrs. Waterlow and Sons, Finsbury, London, E.C.

1872. Wise, Sir William Lloyd, 46 Lincoln's Inn Fields, London, W.C. [*Lloyd Wise, London.* P.O. Central 4775].

1896. Wiseman, Alfred, 80-89 Glover Street, Birmingham. [*Verus, Birmingham. 2299.*]

1884. Withy, Henry, Messrs. Furness Withy and Co., Middleton Ship Yard, West Hartlepool. [*Withy, West Hartlepool. 4246.*]

1878. Wolfe, John Edward, 24 Belsize Crescent, Hampstead, London, N.W.

1888. Wolff, Gustav William, M.P., Messrs. Harland and Wolff, Belfast.

1902. Wollaston, Henry Uppleby, Consolidated Engineering Co., Gotha Iron Works, Slough. [*Gotha, Slough. 7.*]

1900. Wollaston, Thomas Roland, Lord's Chambers, 26 Corporation Street, Manchester. [*Parabola, Manchester.*]

1881. Wood, Edward Malcolm, 3 Victoria Street, Westminster, S.W.

1887. Wood, Henry, Messrs. John and Edward Wood, Victoria Foundry, Bolton.

1902. Wood, Hervey Alan, District Locomotive Superintendent, East Indian Railway, Jamalpore, Bengal, India.

1880. Wood, John Mackworth, Metropolitan Water Board, New River District, Rosebery Avenue, London, E.C.

1868. Wood, Sir Lindsay, Bart., Southhill, near Chester-le-Street.

1905. Wood, Robert Gosby, Messrs. Willans and Robinson, Victoria Engine Works, Rugby.

1884. Wood, Sidney Prescott, Messrs. McKenzie and Holland, Vulcan Iron Works, Worcester; and Rosedale, Worcester.

1898. Wood, Sydney Henry, Gas Light and Coke Works, Beckton, London, E.

1890. Wood, Thomas Royle, Los Talleres, Ferro Carril Rosario, Campana, Buenos Aires, Argentine Republic: (or care of William Wood, 28 Hyde Grove, Chorlton-on-Medlock, Manchester.)

1896. Wood, Walter Chapman, International Mill, Shanghai, China.

1904. Wood, Walter James, King Edward's Chambers, 116 Cleethorpe Road, Grimsby.

1890. Wood, William, 31 Studley Road, Clapham Road, London, S.W.

1900. Wood, William Howorth, Messrs. H. Eckstein and Co., P.O. Box 149, Johannesburg, Transvaal.

1882. Woodall, Corbet, Palace Chambers, 9 Bridge Street, Westminster, S.W.

1902. Woodeson, William Armstrong, Messrs. Clarke, Chapman and Co., Gateshead.

1905. Woodhouse, Richard, Messrs. Woodhouse and Mitchell, Clifton Bridge Iron Works, Brighouse.

1897. Woods, Arthur Robert Thomas, 20 Castle Street, Liverpool.

1894. Woods, William Henry, Messrs. Hamilton Woods and Co., Liver Foundry and Engine Works, Ordsal Lane, Salford, Manchester. [*Sluice, Manchester. 1962.*]

1899. Woof, Thomas, Messrs. Alfred Herbert, 24 and 26 Holborn, London, E.C.

1898. Woollen, Thomas Henry, General Manager, Clement Talbot Ltd., Barlby Road, Ladbroke Grove, North Kensington, London, W. [*Clemental, London. 695, 696 Paddington.*]

1904. Woolliscroft, George William, Locomotive Department, Midland Railway, Derby.

1899. Wootton, John, Messrs. Wootton Brothers, Coalville Iron Works, Coalville, Leicester.

1895. Wordingham, Charles Henry, Electrical Engineer-in-Chief, Admiralty, Whitehall, London, S.W.

1887. Worger, Douglas Fitzgerald, Assistant Engineer, Southwark and Vauxhall Water Works, Southwark Bridge Road, London, S.E.

1906. Worsdell, Henry, Brush Electrical Engineering Co., Falcon Works, Loughborough.

1874. Worsdell, Thomas William, Stonycroft, Arnside, near Carnforth.

1894. Worsdell, Wilson, Locomotive Superintendent, North Eastern Railway, Gateshead.

1877. Worssam, Henry John, Messrs. G. J. Worssam and Son, Wenlock Road, City Road, London, N. [*Massrow, London.* King's Cross 677.]

1888. Worthington, Edgar, (Secretary), The Institution of Mechanical Engineers, Storey's Gate, St. James's Park, Westminster, S.W.

1860. Worthington, Samuel Barton, Mill Bank, Bowdon, near Altrincham.

1897. Worthington, William Barton, Engineer-in-Chief, Midland Railway, Derby; and Kirk Styles, Duffield, Derby.

1900. Wright, Benjamin Hollingworth, 20 Copthall Avenue, London, E.C.

1897. Wright, Frederick George, Great Western Railway Works, Swindon.

1867. Wright, John Roper, Pantygwydr, Swansea.

1903. Wright, Thomas, General Manager, Masons Gas Power Co., Alma Works, Levenshulme, Manchester.

1901. Wright, Walter, Holly Bank, Knutsford Road, Grappenhall, Warrington.

1871. Wrightson, Sir Thomas, Bart., Messrs. Head Wrightson and Co., Teesdale Iron Works, Stockton-on-Tees.

1901. Wrightson, William Percival, 41 Clive Road, Penarth.

1900. Wyld, William, General Manager, Borough Tramways Department, Laird Street, Birkenhead; and 14 Slatey Road, Claughton, Birkenhead.

1902. Wyles, David Dewar, St. George's Engineering Works, Trafalgar Street, Brighton.

1902. Wyllie, James, Chief Mechanical Engineer, Messrs. Henry Tate and Sons, Love Lane, Liverpool.

1877. Wyvill, Frederic Christopher, 19 East Parade, Leeds.

1889. Yarrow, Alfred Fernandez, Isle of Dogs, Poplar, London, E.

1895. Yarwood, William James, Castle Dock Yard, Northwich. [74.]

1899. Yates, Joseph, Managing Director, Messrs. Matthews and Yates, Cyclone Works, Swinton, near Manchester. [*Cyclone, Swinton, Manchester.* 1871.]

1899. Yates, Walter, Managing Director, Messrs. Matthews and Yates, Cyclone Works, Swinton, near Manchester. [*Cyclone, Swinton, Manchester.* 1871.]

1902. Yerbury, Harry Edward, Town Hall, Sheffield.

1880. York, Francis Colin, Locomotive Superintendent, Buenos Aires and Pacific Railway, Junin, Buenos Aires, Argentine Republic: (or care of W. Hannay, 18 Portland Street, Leamington.)

1903. Young, Frederick William, Liverpool Salvage Association, Liverpool.

1874. Young, James, 4 Granville Road, Newcastle-on-Tyne. [*Aid, Newcastle-on-Tyne.*]

1879. Young, James, Salroyd, Thornlaw Road, West Norwood, London, S.E.

1892. Young, Robert, England House, Penang, Straits Settlements.

1894. Young, Smelter Joseph, The Tempered Spring Co., Limited, Rockingham Street, Sheffield. [*Tempered, Sheffield.* 354.]

1899. Young, Thomas, 203 West George Street, Glasgow.

1887. Young, William Andrew, Messrs. Lobnitz and Co., Renfrew, near Paisley [*Lobnitz, Renfrew.* 57, Paisley.]; and Netherhill, Renfrew Road, Paisley.

1881. Younger, Robert, Messrs. R. and W. Hawthorn Leslie and Co., St. Peter's Works, Newcastle-on-Tyne.

ASSOCIATE MEMBERS.

[A.M.I.Mech.E.]

1906. Abbott, Alfred Ernest, Engineer and Surveyor, Stratford and Wolverton Rural District Council, Wolverton, R.S.O., Bucks.

1902. Abbott, Robert Hill, 71 King Street, Manchester.

1896. Abella, Juan, 2070 Calle Virreyes, Belgrano, Buenos Aires, Argentine Republic.

1900. Adams, Albert Edward, Borough and Water Works Engineer, Chippenham.

1903. Adams, Dawson, National Electric Supply Co., Crown Street, Preston.

1905. Adams, Francis Robert John, Engineer's Department, Messrs. Butterfield and Swire, Hong Kong, China.

1907. Adams, Percy William, Car and General Insurance Corporation, 29 St. Andrew's Square, Edinburgh.

1892. Adams, Sidney Rickman, New Club, Johannesburg, Transvaal: (or care of Henry Adams, 3 Colville Square, Bayswater, London, W.)

1898. Adiassewicz, Alexander Victorovitch, 14 Addison Park Mansions, Addison Gardens, Kensington, London, W.

1904. Ainscough, Walter, 88 Spencer Place, Leeds.

1906. Aird, James Erskine, Manager, Deundi Estate, Lalchand P.O., Sylhet, Assam, India.

1904. Aitken, Robert Reginald, Charlottenberg Estate, Little London P.O., Westmoreland, Jamaica.

1902. Åkerlind, Gustaf Fredric, Locomotive Superintendent, Clogher Valley Railway Co., Aughnacloy, R.S.O., Co. Tyrone.

1900. Alcock, Alfred Edwin, Messrs. Cammell, Laird and Co., East Forge, Cyclops Works, Sheffield; and 235 Abbeyfield Road, Sheffield.

1899. Alder, George Frederick, Managing Director, Excelsior Engineering Co., Stafford Works, Stroud, Gloucestershire. [*Excelsior, Bowbridge.*]

1900. Alderson, Charles Albert Heselton, Messrs. Allen, Alderson and Co., Gracechurch Street, Alexandria, Egypt; and Norland House, Ramleh, Egypt.

1890. Alderson, George Alexander, Messrs. Allen, Alderson and Co., Alexandria, Egypt; and The Cloisters, Bulkeley, Ramleh, Egypt.

1899. Alexander, Joseph George, 167 Grosvenor Road, London, S.W.

1903. Alexander, William, Wellington Technical School, Wellington, New Zealand.

1904. Allan, Alexander Buchanan, 1 Queen Mary Avenue, Crosshill, Glasgow.

1901. Allan, George, Jun., 156 Northbourne Street, Elswick Road, Newcastle-on-Tyne.

1903. Allbutt, Jonathan Enoch Hill, Sheepbridge Coal and Iron Co., Chesterfield.

1905. Alcock, Harry, c/o Poste Restante, Kobe, Japan.

1902. Allen, Harold Gwynne, Messrs. W. H. Allen, Son and Co., Queen's Engineering Works, Bedford.

1905. Allen, Thomas Fearnley, Hadley Car Works, Wellington, Salop.

1905. Allensby, Charles Reed, Messrs. G. N. Haden and Sons, 123 Cromer Street, London, W.C.

1904. Allison, Thomas Ernest, Durham Lodge, Durham Road, Bromley, Kent.

1903. Allkin, Henry Weston, General Manager, S.A. Sports Emporium, Wynberg, Cape Colony.

1905. Allsop, John William Kidston, Locomotive Superintendent, Howrah-Amta, Howrah-Sheakhala, Bukhtiapur-Behar, and Baraset-Basirhat Light Railways, Jackson House, Calcutta, India.

1904. Amor, Charles Thomas, Royal Indian Marine Dockyard, Bombay, India.

1902. Amos, Harold Clyde, 20 Bucklersbury, Queen Victoria Street, London E.C.; and Glaslyn, 12 Sidney Road, Beckenham.

1900. Anderson, Athol Lancelot, H.M. Dockyard, Malta.

1903. Anderson, Edward, Official Press Bureau, 65 New Broad Street, London, E.C.

1904. Anderson, James Keith, Messrs. Fraser and Fraser, Bromley-by-Bow London, E.

1900. Andrew, Samuel Ernest, 50 Cecil Street, Whitworth Park, Manchester.

1898. Andrews, Frederic Ernest, Westhorpe, Loughborough.

1906. Anthony, Reginald Emerson, 151 Barry Road, East Dulwich, London, S.E.

1903. Armytage, John Hawksworth, Board of Trade, Trafalgar Buildings, 1 Charing Cross, London, S.W.

1899. Arnold, Arnold Attwood, Mirrlees Watson Co., Scotland Street, Glasgow.

1898. Arnold, Frank William, School of Engineering, Dacca, Bengal, India.

1901. Arnold, Frederick Nathaniel, 49 Leslie Road, East Finchley, London, N.

1901. Arundel, Arthur Samuel Drew, Messrs. Arundel and Marshall, Penn Street Works, Hoxton, London, N.

1906. Arundel, Frank Drew, 9 Clifton Villas, Maida Vale, London, W.

1902. Aspin, John, Messrs. J. and P. Coats, 50 Bothwell Street, Glasgow.

1901. Aston, Edward Backland Stuckey, Messrs. Cammell Laird and Co., 9 Victoria Street, Westminster, S.W.; and 19 Dalmeny Avenue, Camden Road, London, N.

1901. Atherton, Ernest Stanley, Guildhall Chambers, Lloyd Street, Manchester.

1902. Atkins, Evan Arthur, Municipal Technical School, Liverpool; and Ivy Villa, Breckside Park, Liverpool.

1905. Atkins, Harry Frederick, Messrs. J. Parkinson and Son, Canal Iron Works, Shipley, Yorks.

1905. Atkinson, Cyril Joseph, Experimental Dept., Milwaukee Works, International Harvester Co., Milwaukee, Wis., United States.

1901. Attock, Frederick William, Locomotive Department, Lancashire and Yorkshire Railway, Horwich, Lancs.

1900. Aughtie, Herbert, South Western Polytechnic, Chelsea, London, S.W.

1903. Austin, Samuel, Jun., 81 Kersley Street, Oldham.

1903. Aveling, Ralph Clifford, Messrs. Aveling and Porter, 72 Cannon Street, London, E.C. [5104 Bank.]

1901. Ayers, Frederic Gordon, care of Messrs. Ayers and Gall, Weymouth Street, Adelaide, South Australia.

1899. Baber, Samuel Ernest, Springdale, Charlton Road, Keynsham, Bristol.

1906. Babington, Eustace Basil, Silverdale, Midland Avenue, Lenton, Nottingham.

1904. Back, Walter Herbert, Messrs. Pertwee and Back, Nelson Iron Works Great Yarmouth. [Pertwee, Great Yarmouth. 0178.]

1899. Backhouse, John, Messrs. Thomas Robinson and Son, Railway Works Rochdale.

1903. Bagg, Henry Arthur, 4 Calthorpe Road, Banbury.

1904. Bagshawe, Benjamin Wyatt, 50 Wellington Street, Glasgow.

1900. Bailey, Harry Dorning, Messrs. W. H. Bailey and Co., 16 Fenchurch Street, London, E.C. [Soldurios, London.]

1905. Bain, Leolin Gordon, Aykleyheads, Durham.

1905. Baker, Arthur, School of Engineering, Ghizeh, Cairo, Egypt.

1907. Baker, Dudley Watkins, Bristol Docks Office, Cumberland Road, Bristol.

1903. Baker, Henry, Green Bank, Penketh, Warrington.

1899. Baker, Henry Gouldthorpe, Messrs. John Baker and Co., Brinsworth Works, Rotherham. [Brinsworth, Rotherham. 89.]

1903. Baker, Herbert Henry, care of C. H. Merz, Collingwood Buildings, Newcastle-on-Tyne.

1900. Baldwin, Christopher Edmund, North Eastern Railway, Central Station, Newcastle-on-Tyne.

1902. Baldwin-Wiseman, William Ralph, M.Sc., 165 Shirley Road, Southampton.

1902. Balfour, George, Messrs. J. G. White and Co., 9 Cloak Lane, Queen Street, London, E.C.

1902. Ball, Comer Sandys, Monte Rosa, London Road, St. Leonards-on-Sea.

1899. Ball, Edmund Bruce, Villa Marchese, Cornigliano, Ligure, Italy.

1896. Barba, Alfonso G., Las Palmas, Canary Islands.

1900. Barber, Edward Whitley, care of W. H. Fowler, 53 New Bailey Street, Manchester; and Roseleigh, Palatine Road, Northenden, Manchester.

1905. Barber, George Alfred, Royal Laboratory, Royal Arsenal, Woolwich.

1906. Barker, John Henry, Moorside, Totley Rise, Sheffield.

1903. Barker, Laurence Checkley, Messrs. Davey, Paxman and Co., Colchester.

1904. Barnes, Archibald, Managing Director, Sheffield Motor Co., 61 Cavendish Street, Sheffield.

1894. Baron, Francis Edward, 62 Market Street, Manchester. [*Horseless, Manchester.* 4218.]

1903. Barrett, Charles Edgar Mathews, Malabar Spinning and Weaving Co., Kallai, Malabar, India.

1905. Barrett, Harry, Messrs. Jenkins and Co., Central Smith Street, Durban, Natal.

1906. Barry, Arthur Paul, Home Place, Limpsfield, S.O., Surrey.

1898. Bartle, George William, Albion Brewery, Mile End, London, E.

1901. Bartley, Bryan Cole, Jumpers Deep, Rand Mines, Johannesburg, Transvaal: (or care of Sir George C. T. Bartley, K.C.B., 57 Victoria Street, Westminster, S.W.)

1896. Barton, Andrew, Admiralty, 21 Craven Street, Strand, London, W.C.

1906. Barton, Geoffrey Berkley, care of Messrs. King, King and Co., Bombay, India.

1902. Bartram, Harry Alfred, Messrs. James Simpson and Co., 101 Grosvenor Road, Pimlico, London, S.W.

1906. Baskerville, William Sherwin, 23 St. David's Avenue, Canton, Cardiff.

1902. Baxandall, Richard Fitzgerald, Cregneish, Ben Rhydding, Yorkshire.

1906. Bayntun, Robert Somerville, Mersey Railway, Shore Road, Birkenhead.

1905. Bazin, John Ralph, Locomotive Department, Great Northern Railway, Peterborough.

1906. Beale, Samuel Richard, Messrs. L. Sterne and Co., Crown Iron Works, Glasgow.

1901. Bear, Maurice Mayhew, Messrs. Babcock and Wilcox, 14 Deansgate, Manchester.

1905. Beard, William Keith, 51 South John Street, Liverpool.

1903. Beare, Harold Hargreaves, Works Manager, Messrs. Buxton and Thornley, Waterloo Engineering Works, Burton-on-Trent; and 89 Derby Road, Burton-on-Trent.

1902. Beaver, John Robert, Post Box 1,198, Valparaiso, Chile.

1901. Beck, Alexander Edward, 115 and 117 Cannon Street, London, E.C.

1897. Beck, John, 10 Ventnor Road, Portland, Dorset.

1904. Beeching, Frank William, Messrs. Kynoch, Holford Mills, Perry Barr, Birmingham.

1906. Begbie, Stanley Stirling, Resident Engineer, Edendale Estates and Silver Mines, via Hatherley, Pretoria District, Transvaal.

1904. Begbie, Thomas, Jun., Transvaal Chemical Works, P.O. Box 85, Knights, Transvaal.

1899. Begbie, William, P.O. Box 3982, Johannesburg, Transvaal.

1902. Beirne, Sidney Angelo, Compañia de San Salvador, Astillero, Provincia de Santander, Spain.

1904. Bell, Allan, Chief Engineer, Cold Storage Co., Williamson Square, Liverpool.

1900. Bell, Charles Sever, 123 Pall Mall, London, S.W.

1902. Bell, Frank, Signal Works, Engineers' Department, Midland Railway, Derby.

1898. Bell, William, Messrs. H. J. West and Co., 116 Southwark Bridge Road, London, S.E. ; and 2 Shepherds Lane, Dartford.

1890. Bell, William Thomas, The Elms, St. Catherine's, Lincoln.

1906. Benfield, John, Hadfield's Steel Foundry Co., East Hecla Works, Sheffield ; and 435 Glossop Road, Sheffield.

1902. Benington, Edmond Strangman, Messrs. H. J. West and Co., 114-118 Southwark Bridge Road, London, S.E. ; and 59 Newsham Drive, Liverpool.

1901. Benn, William Wiltshire Wentworth, Chief Engineer, Australasian Chilling and Freezing Co., Aberdeen, New South Wales.

1905. Bennett, Alfred Temple, Retreat Works, Willow Walk, West Green, London, N.

1906. Bennett, Frederic Stanley, 19-21 Heddon Street, Regent Street, London, W. ; and 55 Acacia Road, Regent's Park, London, N.W.

1903. Bennett, Frederick William, London Small Arms Co., Victoria Park Mills, Old Ford, London, E.

1903. Bennett, Henry Arthur Dillon, 28 Victoria Road, Penarth.

1901. Bennett, Marshall Handyside, The Chestnuts, Horley, Surrey.

1901. Bennett, Percy Mayson, San Juan de Letran No. 5, $\frac{1}{2}$, Mexico City, Mexico
D. F.

1904. Bent, John Bradbury, Messrs. Lea and Warren, Glenroy Works, Kettering.

1906. Bent, William, Electric Construction Co., Wolverhampton.

1903. Bentley, Percy, Works Manager, Messrs. Jackson Brothers, Leeds.

1900. Bentley, Thomas Sims, Messrs. C. Churchill and Co., 9-15 Leonard Street Finsbury, London, E.C.

1905. Bergersen, Sidney Hill, Calabar, Southern Nigeria.

1902. Berkeley, Tyrus Douglas, Witton Terrace, Wrexham.

1905. Berry, Arthur Osborne, Works Manager, Messrs. Penrose and Co., 109 Farringdon Road, London, E.C.

1902. Berry, Frederick, Technical School, Bridgman Street, Bolton.

1905. Berry, Frederick Laurence, Messrs. John Brown and Co., Sheffield.

1905. Berry, Henry Frank, Messrs. W. B. G. Bennett, Son and Berry, 5 Victoria Street, Westminster, S.W.

1903. Berry, Herbert, Messrs. Egerton, Hubbard and Co., Petroffsky Mills, St. Petersburg, Russia.

1904. Berry, Robert, Messrs. Joseph Berry, Albion Foundry, Swinton, Manchester.

1898. Berry, Thomas, 53 Cowgate, Dundee. [*Steampump, Dundee.*]

1902. Berry, William, De Beers Consolidated Mines, P.O. Box 44, Kimberley, South Africa.

1906. Bettany, John Thomas, Birmingham Small Arms Co., Small Heath, Birmingham.

1902. Bevan, Ivor, 3 Courthope Villas, Worple Road, Wimbledon.

1904. Bharucha, Fakirjee Eduljee, Lahore, India.

1898. Bigger, Courtenay, Falmore Hall, Dundalk, Ireland.

1902. Bigg-Wither, Lionel, Assistant Locomotive Superintendent, Great Indian Peninsula Railway: care of Messrs. Grindlay Groom and Co., Bombay, India.

1906. Billinton, Percy Robert, 5 Bulganak Road, Thornton Heath, Surrey.

1904. Bing, Herbert, Consolidated Pneumatic Tool Co., Fraserburgh.

1902. Binns, Asa, Resident Engineer, London and St. Katharine's Docks, London, E.

1903. Bird, Frank Noel, Yarloop, Western Australia.

1900. Bishop, Charles Herbert, The Gables, Egremont, Birkenhead.

1903. Bithel-Jones, Harry, Marine School, South Shields.

1902. Blagden, Arthur Herbert, Municipal Electric Light Works, Shanghai, China.

1905. Blake, Andrew William, Messrs. Mills, English and Co., 4 Castle Square, Swansea.

1904. Blaker, Alexander Aubrey, 15 Dresden Road, Hornsey Lane, London, N.

1905. Blaker, William Herbert, Engineer's Office, I. of M. Harbour Commissioners, Douglas, Isle of Man.

1904. Blakey, Jasper, 7 Duke of York Street, Wakefield.

1904. Bland, John William, 27 Butler Street, Otley Road, Bradford.

1902. Bliss, Basil, care of H. W. Bliss, Carlton Chambers, 8 Regent Street, London, S.W.

1899. Blissett, Percival Thomas, Messrs. A. Guinness, Son and Co., St. James' Gate Brewery, Dublin.

1904. Bloyd, Francis George, Engineer's Office, South Eastern and Chatham Railway, London Bridge, London, S.E.

1902. Blyth, Ernest Blackstone, Messrs. Charles Nelson and Co., Stockton, Rugby.

1903. Boden, Arthur Lionel, 34 Maitland Park Villas, London, N.W.

1904. Bolton, George Wilson, Colombo Harbour Works, Colombo, Ceylon.

1906. Bonar, Horatius, Supt. Engineer, Bengal Iron and Steel Co., Kulti, E.I.R., India.

1901. Bond, John Thomas, National Boiler and General Insurance Co., 22 St. Ann's Square, Manchester.

1906. Boot, Horace Louis Petit, General Manager, Electric Power Station, Tunbridge Wells.

1901. Boot, James Noel, Worthington Pumping Engine Co., 153 Queen Victoria Street, London, E.C.

1906. Boreham, George Henry, Chelsea Electricity Supply Co., 12 Alpha Place, Flood Street, Chelsea, London, S.W.

1896. Bosley, Walter Joseph, Colonsay, Atherley Road N., Southampton. [*Destructor Works, Southampton.* 52 and 255.]

1902. Bott, Walter Stanley, New Expanded Metal Co., Stranton Works, West Hartlepool.

1895. Boulden, Frederick, Technical Department, The University, Sheffield.

1905. Boulton, Charles Valentine, 17 Wandle Road, Upper Tooting, London, S.W.

1903. Boulton, John Howard, North British Locomotive Co., 17 Victoria Street, Westminster, S.W.

1898. Bouts, Thomas, Messrs. Ernest Scott and Co., 2 Talbot Court, Gracechurch Street, London, E.C.; and 21 Ritherdon Road, Balham, London S.W.

1902. Bow, John, Ferro Carril del Sud, Dept. de Via y Obras, Buenos Aires, Argentine Republic.

1903. Bowden, John, London County Council Tramways, 62 Finsbury Pavement, London, E.C.

1905. Bowen, Charles William, 13 Hyde Gardens, Eastbourne.

1903. Bown, Charles Henry, Messrs. Merryweather and Sons, Greenwich, London, S.E.; and 88 Culverley Road, Catford, London, S.E.

1903. Box, Wilfrid Leonard, Messrs. Dick, Kerr and Co., Abchurch Yard, London, E.C.

1906. Boxer, Arthur Chichester, Engineer Lieut. R.N., H.M.S. "Endymion," Sheerness.

1902. Boyd, Guy Westwood, Messrs. Humphreys and Glasgow, 38 Victoria Street, Westminster, S.W.

1903. Boyd, Hugh, Superintendent Engineer, United Alkali Co., Fleetwood, R.S.O., Lancashire.

1900. Boyd, William, 260 London Road, Brockhurst Hill, Northwich. [0192.]

1906. Brayshaw, Shipley Neave, 4 Mulberry Street, Hulme, Manchester.

1907. Bremner, James, Jun., Hellewell's Buildings, Castle Street, Liverpool.

1896. Bremner-Davis, William Joseph, 36 Kylemore Road, West Hampstead, London, N.W.

1901. Bressey, Cyril Edward, Locomotive Department, Great Central Railway, Tuxford, Newark.

1898. Brett, Alfred William, Albion Drop Forgings Co., Foleshill, Coventry.
[*Albion, Great Heath.*]

1905. Brewer, Albert Ernest, Messrs. H. J. West and Co., Saxilby, Lincoln.

1902. Brewer, Robert Wellesley Antony, Superintending Engineer, Queen Anne's Mansions, St. James's Park, London, S.W.

1902. Bridge, Arthur George, Messrs. Tomlinson (Rochdale), Soho Works, Rochdale.

1906. Brierley, Harry Heaton, Messrs. Watney, Combe and Reid, The Brewery, Mortlake, London, S.W.

1901. Briggs, Ernest Reynold, Messrs. Willans and Robinson, Victoria Works, Rugby; and 233 Clinton Road, Rugby.

1902. Briggs, Robert Alexander, 9 Warwick Court, High Holborn, London, W.C.

1904. Brindle, John, Colinfield, Wigan.

1898. Brindley, Harry Samuel Bickerton, 3 Awoicho Akasaka, Tokyo, Japan.

1900. Britten, Thomas, Electric Construction Co., Wolverhampton.

1905. Britton, Captain Edwin John James, A.O.D., Evelyn House, Salisbury.

1903. Britton, Sydney Ernest, Corporation Electricity Works, New Crane Street, Chester.

1904. Brixey, Charles Edward William, Technical College, Colombo, Ceylon.

1906. Broadbent, Herbert, Engineer and Manager, Electricity Department, Perth Gas Co., Perth, Western Australia.

1905. Brooke, Harry, Engineer's Department, Rochdale Canal Co., Rochdale.

1906. Brooke, John Walter Mawdsley, Messrs. J. W. Brooke and Co., Adrian Iron Works, Lowestoft.

1906. Brookhouse, Frederick Henry, Messrs. Humber and Co., Beeston, Nottingham.

1900. Brooks, Harry Gordon, Locomotive Works, Midland Railway, Kentish Town, London, N.W.

1903. Brooks, John Frederick, Municipal Technical School, Leicester.

1904. Broughton, Freeman, Manchester Corporation Tramways, 55 Piccadilly, Manchester.

1903. Brown, Charles Anderton, Messrs. Mather and Platt, Salford Iron Works, Manchester.

1907. Brown, Edward George, Messrs. Brown and Ward, Branston Works, Branston Street, Birmingham.

1901. Brown, John Pollock, Messrs. Denny and Co., Dumbarton; and 1 Broomhill Avenue, Partick, Glasgow.

1901. Brown, Tom Edward Bennett, Managing Director, Messrs. Ross, Courtney and Co., 25 Ashbrook Road, Upper Holloway, London, N.

1905. Brown, Walter Lindahl, Trollhättan, Craven Road, Reading.

1906. Browne, Rolando Harry, Locomotive and Carriage Superintendent, Ferrocarril de la Union Cartagena, Spain.

1902. Browne, William Ruddle, Chisledon, Swindon.

1903. Brownjohn, William Henry, Associated Portland Cement Manufacturers (1900), Park House, Gravesend.

1904. Bruce, John George, Resident Electrical Engineer, Willesden District Council, The Electricity Office, Salusbury Road, Kilburn, London, N.W.

1904. Bryan, Bernard William, Chief Engineer, South Essex Water Works, Romford.

1902. Bryant, Edward Egerton, Messrs. Oakes and Co., Madras, India.

1901. Buchanan, William Ernest, Superintendent, Simla Water Works, Simla, Punjab, India.

1904. Buck, Edward Clarke, Assistant City Engineer, Pretoria: P.O. Box 440, Pretoria, Transvaal.

1905. Buck, James Henry Edward, Mechanical Engineer to Johannesburg Municipality, P.O. Box 1049, Johannesburg, Transvaal.

1905. Buckley, Philip, Britannia Road, Morley, Leeds.

1902. Buckton, William Woodyer, 80 Woodland Gardens, Muswell Hill Road, Highgate, London, N.

1901. Budding, Brice Henry, Jun., 146a Portway, West Ham, London, E.

1905. Bull, Edward Joseph, District Engineer, Chupra, Sarun District, Bengal, India.

1900. Bull, Rowland Francis, The Cottage, Cosgrove, Stony Stratford.

1900. Bull, Thomas Palmer, Messrs. Clayton and Shuttleworth, Stamp End Works, Lincoln.

1903. Bullen, William Henry Chambers, c/o G. R. Strachan, 9 Victoria Street, Westminster, S.W.

1902. Bullmore, Alfred William Ernest, Engineer, First Garden City, Letchworth, Herts.

1901. Bullock, Richard Cecil, care of W. D. Bullock, Toolvestone, Sandiway, Northwich.

1902. Bunn, Charles William, Herbert Street Works, West Bromwich. [*Landau, Westbromwich.* 5007.]

1904. Burbidge, Alfred Humphrey, Burgh Electrical Engineer, Electricity Works, Kilmarnock.

1893. Burden, Alfred George, Messrs. Cammell Laird and Co., P.O. Box 665, Johannesburg, Transvaal.

1906. Burgess, Gerard Herbert, 7 Bloomfield Road, Moseley, Birmingham.

1903. Burnand, Augustus Henry, Hartley University College, Southampton.

1890. Burne, Edward Lancaster, 14 Victoria Street, Westminster, S.W. [*Cloacalis, London.* 5128 Westminster.]

1904. Burnett, William Rattery, Messrs. C. A. Hutson and Co., Ceylon Engineering Works, Colombo, Ceylon.

1897. Burnside, Bertram W., Locomotive Department, Burma Railways, Insein, Burma.

1904. Burrows, George Henry, Great Western Railway Works, Swindon.

1904. Burt, John William Edward, 103 Newport Road, Cardiff.

1899. Burt, Thomas Ross, Messrs. Burt and Kirkealdy, Eldon Street House, London, E.C. [*Burtgied, London.* London Wall 2417.]; and Whare-koia, Polworth Road, Streatham Common, London, S.W.

1906. Bury, Ronald Edward, Assistant Superintendent, Carriage and Wagon Department, East Indian Railway, Lillooah, Bengal, India.

1902. Busfeild, William, 26 Alexandra Crescent, Ilkley.

1891. Butcher, Walter Edward, British Thomson-Houston Co., Rugby.

1904. Butler, George Henry, Docks Engineer's Office, Cumberland Basin, Bristol.

1891. Buttenshaw, George Eskholme, Beechwood, Chorlton-cum-Hardy, Manchester.

1902. Button, John William, Battersea Polytechnic Institute, Battersea, London, S.W.

1904. Buxton, Richard Henry, 113 Markeaton Street, Derby.

1905. Cabena, Richard Hanson, Croydon County Polytechnic, Croydon.

1900. Calderwood, William, Works Manager, Messrs. Palmer and Co., Stratford, London, E. ; and 83 Hampton Road, Forest Gate, London, E.

1905. Calvard, Frank, Superintendent's Office, Alexandra (Newport and South Wales) Docks and Railway, Newport, Mon.

1906. Calvert, Edward, Electricity Works, Finchley, London, N.

1905. Camargo, John Antonio da Rocha, Rua Areo do Bandeira 15, 1º. D., Lisbon, Portugal.

1905. Campbell, Andrew, Dexine Patent Packing and Rubber Co., Abbey Lane, Stratford, London, E. [355 Stratford.]

1901. Campbell, Ernest Waterhouse, Messrs. Campbells and Hunter, Dolphin Foundry, Saynor Road, Hunslet, Leeds.

1904. Cannon, Reginald, P.O. Box 4746, Johannesburg, Transvaal.

1903. Cardew, Sydney Robert, Irene, Pau, France.

1904. Carr, Christopher Ralph (*Life Associate Member*), 85 Kirkstall Road, Leeds.

1900. Carr, Harry Oswald, Wandsworth and Putney Gas Light and Coke Co., North Street, Wandsworth, London, S.W.

1898. Carr, James John William, Woodland Works, Grove Lane, Smethwick, Birmingham. [*Bells, Smethwick.* 2018.]

1906. Carrington, George, Messrs. John Abbot and Co., Park Works, Gateshead.

1900. Carrod, Henry, 43 Sidney Road, Beckenham.

1900. Carstairs, Gilbert Langlois, 12 Kingswood Road, Seven Kings, Ilford.

1901. Carter, Frank, General Manager, Carter's Steam Wagon Co., Bridgefield Street, Oakenrod, Rochdale; and 425 Bury Road, Rochdale.

1906. Carter, Harold Herbert, London Motor Omnibus Co., Black Horse Lane, Walthamstow, London, N.E.

1905. Carter, Henry Charles, 253 Oxford Road, Reading.

1904. Carter, John Arthur, Chief Engineer, The New Explosives Co., Stowmarket.

1906. Carter, Walter, Sir W. G. Armstrong, Whitworth and Co., Ashton Road, Openshaw, Manchester.

1901. Cartmell, John Monkhouse, 69 Buchanan Street, Glasgow.

1902. Carwin, John William, Stone Villa, Victoria Road, Fulwood, Preston.

1900. Casebourne, Ambrose Cubitt, 12 Cheltenham Terrace, Heaton-on-Tyne.

1905. Casson, Robert, Sutcliffe Ventilating and Drying Co., Cathedral Corner, Fennel Street, Manchester.

1904. Casson, William, Underground Electric Railway Co. of London, Lot's Road, Chelsea, London, S.W.

1899. Cater, John McIlvaine, 27 Clement's Lane, London, E.C.; and Shalimar, Ewell, Surrey.

1900. Catmur, Thomas Stucley, Inglenook, Minster Road, Sundridge Park, Bromley, Kent.

1900. Cave, Henry, 47 Pitman Street, Providence, R.I., United States.

1903. Cave, William Henry, Saucel Bank, Paisley.

1904. Cawthra, James Herbert, Borough Electrical Engineer, Corporation Electricity Works, South Shields.

1897. Cerrito, Frank Henry, Messrs. Frank H. Cerrito and Co., 63 Lionel Street, Birmingham. [*Cerrito, Birmingham.* 2837.]

1906. Chadwick, George Herbert, Los Talleres, Ferro Carril del Sud, Buenos Aires, Argentine Republic.

1904. Chadwick, Richard, Superintendent of Rolling Stock, Corporation Tramways, Laird Street Depôt, Birkenhead.

1895. Challenger, Godfrey Richard, Messrs. John Jameson and Son, Bow Street Distillery, Dublin.

1902. Chalmers, Alexander David, Engineer, Electricity Supply Works, Gillingham Road, New Brompton, R.S.O., Kent.

1902. Chalmers, James, Engineer, Companhia do Beberibe, Pernambuco, Brazil.

1905. Chambers, Edward Haward, Messrs. Bullers, Tipton.

1907. Chandler, Frank Ashton, Messrs. William Hopper and Co., Moscow, Russia.

1902. Channon, Philip Percival, Engineer, Haywards Heath District Gas Co., Mill Green Road, Haywards Heath.

1899. Chapman, Samuel, 381 Manchester Road, Droylsden, Manchester.

1906. Charlton, Arthur Edwyn, 66 Kiangse Road, Shanghai, China.

1903. Charnock, Clement Joseph (*Life Associate Member*), Messrs. Gorbunoff's Cotton Spinning and Weaving Mills, Sereda, Government of Kostroma, Russia.

1904. Charnock, Harry Horsfield, Managing Director, Messrs. Vicoul Morosoff and Sons, Orehovo, near Moscow, Russia.

1905. Charnock, John Aiton, Messrs. Charnock, Phillips and Co., 10A Summer Row, Friday Bridge, Birmingham.

1902. Chatterton, Richard, Okanagan Landing, British Columbia.

1899. Cheffins, Harold William Joshua, Messrs. J. B. White and Brothers, Swanscombe, Kent.

1906. Chew, Leuig, Works Manager, Messrs. H. J. West and Co., Saxilby Iron Works, Saxilby, Lincoln.

1903. Child, John, 157 Derby Road, Seven Kings, Ilford.

1906. Child, Percy Douglas, The Laurels, 21 St. John Street, Bedford.

1903. Chivers, Frank Evans, Beberibe Water Works, Pernambuco, Brazil.

1900. Chorley, Richard, Technical School, Stockport.

1903. Christiansen, Adolph Gothard, Jun., 43 Maddox Street, Choolai, Madras, India.

1903. Christiansen, Albert George, Messrs. Carew and Co., Rosa Sugar Works, Rosa, U.P., India.

1904. Christmas, Edwin Bossward, 109 Drakefell Road, Brockley, London, S.E.

1906. Chubb, Harry Emory, Managing Director, Messrs. Chubb and Sons, Chubb's Works, Glengall Road, London, S.E.

1906. Chute, Mervyn Lyde, North British Locomotive Co., Glasgow Locomotive Works, Glasgow.

1905. Clacher, Thomas, Messrs. Henry Tate and Sons, Silvertown, London, E.; and 50 Valentines Road, Ilford.

1905. Clapham, Frederick Thomas, Works Manager, Messrs. Thomas Piggott and Co., Atlas Works, Birmingham.

1906. Clapham, John Peele, 30 St. Paul's Road, Bradford.

1905. Clapham, Thomas Alborn, Messrs. Clapham Brothers, Wellington Foundry, Keighley.

1896. Clare, Ernest, Messrs. Sidney Straker and Squire, Nelson Square, Blackfriars, London, S.E.

1904. Claret, William Edward, Tottenham House, Moulton, Northampton.

1906. Clark, Harry, Messrs. Head, Wrightson and Co., Teesdale Iron Works, Thornaby-on-Tees.

1905. Clark, Herbert Ade, The Northern Polytechnic, Holloway Road, London, N.

1903. Clark, Hubert Charles, 65 Chancery Lane, London, W.C.

1894. Clark, James Lester, Riverside Works, Weybridge. [*Seafarer, Weybridge. 16.*]

1906. Clark, Leonard Knight, New York Transportation Co., 8th Avenue and 49th Street, New York, United States.

1906. Clark, Robert George, Park House, Gravesend.

1899. Clarke, Arthur Laver, Gas Engineer, Gas Works, Maldon, Essex.

1900. Clarke, Leigh Theophilus, Electrical Department, Great Central Railway, Guide Bridge Station.

1906. Clarke, Thomas, Works Manager, Messrs. Isaac Andrews and Sons, Belfast Mills, Belfast.

1905. Clarkson, Sydney Samuel, Blakey's Boot Protectors, Ltd., Armley, Leeds.

1895. Clatworthy, Walter Angove, 40 Sanderson Road, Newcastle-on-Tyne.

1903. Claughton, George, Station Superintendent, Corporation Power Station, Newcastle-on-Tyne.

1904. Claxton, Harold, Public Works Department, Khartoum, Sudan, Egypt.

1905. Clayton, Charles Henry James, Board of Agriculture and Fisheries, 3 St. James' Square, Pall Mall, London, S.W.

1902. Clayton, Melville Graham, Tranmere Bay Development Co., Birkenhead; and Sunnydale, St. George's Road, Wallasey, Cheshire.

1901. Cleaver, William, Chief Civil Engineer, Port Talbot Railway and Docks, Port Talbot.

1904. Clegg, Robert Ingham, 410 Caxton Building, Cleveland, Ohio, United States.

1892. Cleverly, William Bartholomew, Stourbridge Water Works, Coalbourne Brook, Stourbridge.

1904. Cliff, Richard Charles, Terry's Chambers, Castlereagh Street, Sydney, New South Wales.

1906. Cliff, Thomas Percy Barlow, Messrs. W. R. Grace Bros. & Co., Valparaiso, Chile.

1901. Clifton, William George, Messrs. Defries and Sons, 147 Houndsditch, London, E.C.

1901. Close, Henry Alwyn, 7 Abbey Avenue, Victoria Park, Kirkstall, Leeds.

1900. Cluff, Richard, Engineer's Department, St. James' Gate Brewery, Dublin.

1905. Coates, Albert Frederick, Messrs. Brecknell, Munro and Rogers, Thrissell Street, Bristol.

1898. Cobbold, Arthur Westhorp, 70 Alkham Road, Stoke Newington, London, N.

1906. Cochrane, James, Engineer's Office, Docks, Cape Town, Cape Colony.

1902. Codd, Thomas James, Metropolitan Asylums Board, Victoria Embankment, London, E.C.

1901. Colbourne, Thomas Salmon, Managing Director, Messrs. John D. Young and Son, Lion Iron Works, Barnstaple.

1906. Coldwell, Christopher Benjamin, Lucknow Water Works, 'Aish-Bagh, Lucknow, India.

1905. Cole, Charles Stuart, 6 Milton Road, Herne Hill, London, S.E.

1906. Cole, James Matthew, Messrs. William Bradford and Sons, Carlton Chambers, 12 Regent Street, London, S.W.

1905. Cole, William Lawes, Managing Director, Messrs. T. and W. Cole, Park Road Iron Works, St. Ann's Road, Burdett Road, London, E.

1904. Coleridge, Henry Hill, care of A. E. G. Copp, 37 Essex Street, Strand, London, W.C.

1902. Collyer, Percy Nicholson, Messrs. Albright and Wilson, Oldbury, Birmingham.

1903. Coltman, Walter William, Central Boiler Works, Loughborough. [*Boilers, Loughborough.* 51.]

1896. Comerford, Edward, Abbot's Grange, Liverpool Road, Chester.

1897. Connell, William Percival, Bella Vista 28, Minas de Rio Tinto, Huelva, Spain : (or care of W. G. Connell, 83 Cheapside, London, E.C.)

1906. Conradi, Charles Guthrie, Locomotive Department, Midland Railway, Derby.

1896. Conradi, Julius Samuel, Messrs. John I. Thornycroft and Co., Church Wharf, Chiswick, London, W.

1906. Cook, John, Messrs. Brunner, Mond and Co., Northwich.

1903. Cooke, Frederick William, Messrs. Willans and Robinson, Victoria Works, Rugby.

1906. Cooke, Stanley Walter, Engineer Sub-Lieut. R.N., H.M.S. "Africa," c/o Postmaster General, London, E.C.

1905. Cooksley, Alfred, 12 Woodview Gardens, Highgate, London, N.

1903. Coombes, Thomas, Manager, Messrs. Harding, Market Street, Torquay.

1900. Coombs, James Alger, Messrs. Daniel Adamson and Co., Dukinfield.

1904. Cooper, Arthur, Messrs. Ransomes, Sims and Jefferies, Orwell Works, Ipswich.

1906. Cooper, Edward Staple Foxen, London County Council, County Hall, Spring Gardens, London, S.W.

1906. Cooper, George Seton Haleott, Chief Engineer, South African Breweries, Pietermaritzburg, Natal.

1905. Cooper, Joseph Albert William, Public Works Department, Karachi Canals District, Karachi, India.

1901. Cooper, William James, British Engine, Boiler and Electrical Insurance Co., 12 King Street, Manchester.

1895. Corby, Matthew, Messrs. Thomas Firth and Sons, Norfolk Works, Sheffield; and 13 Montague Road, Edgbaston, Birmingham.

1899. Corrie, John Bradford, 4-6 Queen Anne's Chambers, Tothill Street, Westminster, S.W. [*Correlate, London.* 3400 Gerrard.]

1903. Coster, William Wallace, Waterworks Department, City Hall, Cape Town, Cape Colony.

1902. Cotsworth, Haldane Gwilt, Mining and District Technical College, Wigan.

1901. Couch, Richard Ernest, 23 Richmond Road, Brighton.

1902. Coueslant, Leopold Daniel, The Technical College, Sunderland.

1902. Coulson, Horace Ernest, Birkbeck College, Bream's Buildings, Chancery Lane, London, E.C.; and 238 Wandsworth Bridge Road, Fulham, London, S.W.

1904. Coulton, Ivor Bertie, Fray Bentos, Uruguay.

1904. Courts, William Charles, Courts-Turner Engineering Co., Albert Square, Manchester. [*Chimneys, Manchester.* 5392.]

1905. Coutts, David Alexander, 94 Queen's Road, Aberdeen.

1894. Coventry, Theodore, Messrs. Smith and Coventry, Gresley Iron Works, Ordsal Lane, Salford, Manchester. [*Gresley, Manchester.* 564.]

1903. Cowcher, George, Dudbridge Iron Works, Dudbridge, Stroud, Gloucestershire.

1902. Cowen, George Hepple, 40 Marlborough Road, Sheffield.

1905. Cowlick, Francis German, Messrs. Babcock and Wilcox, Apartado 379, Madrid, Spain.

1904. Cox, Kenneth Robert William, British Westinghouse Electric and Manufacturing Co., Trafford Park, Manchester.

1905. Cox, Lionel Maidstone Russell, c/o Mrs. Butler, Haslemere, Regent's Park Road, Finchley, London, N.

1902. Cramb, Alexander Charles, Croydon Corporation Electricity Works, Factory Lane, Croydon.

1905. Craven, John Ernest Holdsworth, Messrs. Easton and Bessemer, Taunton.

1900. Crawford, John Forcer, Messrs. Railton, Campbell and Crawford, Washington Foundry, Cherry Lane, Walton, Liverpool. [*Ferro, Liverpool.* 97 Walton.]

1904. Creighton, Henry, 8 Marlboro' Grove, Leeds.

1904. Creighton, James, 1B Bedford Well Road, Eastbourne.

1904. Crew, Malcolm Hillier, South Eastern and Chatham Railway, Longhedge Works, Battersea Park, London, S.W.

1903. Crocker, Claude Edward, Manager, Kalgoorlie Electric Light and Power Corporation, Kalgoorlie, Western Australia.

1906. Crocker, Ernest George, H.M. Naval Establishment, Rosyth, Fife.

1904. Croft, Frank, Messrs. Croft and Perkins, Great Northern Works, Leeds Road, Bradford.

1905. Croll, James, Chief Engineer, Olaa Sugar Co., Hilo, Hawaii.

1905. Crosier, Edward James, Messrs. Crosier, Stephens and Co., 2 Collingwood Street, Newcastle-on-Tyne; and East Boldon, by Newcastle-on-Tyne.

1905. Cross, Edward, Borough Electrical Engineer, Electricity Works, Rawmarsh Road, Rotherham.

1904. Cross, James William, 35 Copthall Avenue, London, E.C.

1905. Cross, Reginald Thomas Green, Khoreel Tea Estate, Cachar, India.

1904. Cross, William Mark, 222 Nelson Road, Gillingham, S.O., Kent.

1904. Crossley, John, Managing Director, Messrs. W. and J. Player, Lionel Street, Birmingham; and Stanley House, Stanley Road, Nechells, Birmingham.

1907. Crossman, James Eddy Thistleton, Minas Peña del Hierro, Province Huelva, Spain.

1901. Crow, Lewis, 17 Adolphus Road, Finsbury Park, London, N.

1903. Crowther, Harry, Resident Mechanical Engineer, Water Works, Pembury, Tunbridge Wells.

1902. Cruddas, William John, Messrs. A. Goerz and Co., P.O. Box 1156, Johannesburg, Transvaal, South Africa.

1900. Cruickshank, George Seymour, Messrs. Arnhold Karberg and Co., Hong Kong, China.

1906. Cryer, James Wilfred, 151 Plodder Lane, Farnworth, Bolton.

1901. Cummins, Reginald Ernest, 25 Princes Square, Bayswater, London, W.

1899. Cunliffe, Tom Arthur, 41 Howards Lane, Putney, London, S.W.

1906. Curgenven, Leonard Woods, Engineer Lieut. R.N., H.M.S. "Blenheim," Chatham.

1903. Curtis, Ivor, R.N., Harscott, Westcombe Park Road, Blackheath, London, S.E.

1895. Cust, Leopold, Gas Traction Co., 22 Chancery Lane, London, E.C.; and Broome, Fleet, S.O., Hants.

1903. Cuthell, Eric Andrew, 36 Moreton Road, South Croydon.

1902. Dabell, Alexander Frank, European Petroleum Co., Baku, South Russia.

1902. Dack, William Herbert, Messrs. Dorman Long and Co., Constructional Dept., Britannia Works, Middlesbrough.

1905. Dalby, William Ernest, Locomotive Department, Great Northern Railway, Hornsey, London, N.

1904. Dalton, William Thomas, Corporation Tramways, Manors, Newcastle-on-Tyne.

1904. Daniel, William Henry, Messrs. John Fowler and Co., Steam Plough and Locomotive Works, Leeds.

1903. Darby, Arthur Ernest, Surveyor's Dept., Town Hall, West Didsbury, Manchester.

1900. Darker, Alfred Henry, Messrs. J. Stone and Co., Deptford, London, S.E.

1905. Darlington, Seymour Nance, Beauchief, Fox Hollies Road, Acock's Green, Birmingham.

1904. Davenport, John Alfred, East London Technical College, People's Palace, Mile End Road, London, E.

1894. Davey, Edward Ernest George, Polytechnic School of Engineering, 309 Regent Street, London, W.

1906. Davidson, Lieut. Alexander Elliott, R.E., 3 Talbot Houses, Blackheath, London, S.E.

1905. Davidson, Byron Montgomerie, Amakhal Tea Estate, Monacherra P.O., Cachar, India.

1903. Davidson, James Samuel, General Manager, Sirocco Engineering Works, Bridge End, Belfast. [*Sirocco, Belfast.* 327.]

1901. Davidson, John, Messrs. Browett, Lindley and Co., Patricroft, Manchester; and 12 Cavendish Grove, Eccles.

1905. Davidson, William Warburton, Messrs. Fletcher and Phillipson, 10 Lower Baggot Street, Dublin.

1903. Davie, James Paterson, Mirlees, Watson Co., Scotland Street, Glasgow.

1907. Davies, Cyril Ernest, Messrs. Fullerton, Hodgart and Barclay, Vulcan Works, Paisley.

1901. Davies, Francis Edward, Messrs. Simpson and Co., 101 Grosvenor Road, Pimlico, London, S.W.; and 51 Tregunter Road, South Kensington, London, S.W.

1904. Davies, Frederick William, Water Engineer, Municipal Offices, St. Peter's Church Side, Nottingham.

1904. Davies, William David, Messrs. Davies and Morgan, 35 and 36 Wind Street, Swansea. [*Advance, Swansea.* 570.]

1903. Davis, Charles Richard Stanley, Messrs. Reunert and Lenz, P.O. Box 92, Johannesburg, Transvaal. *

1904. Davis, Edmund James, 61 Great Eastern Road, Stratford, London, E. [462 Stratford.]

1896. Davis, Francis Myddleton, General Manager, Messrs. R. and T. Elworthy, Elizabethgrad, Russia.

1900. Davis, Harry Charles, care of Druitt Halpin, 17 Victoria Street, Westminster, S.W.

1905. Davson, Simon Silver, 4 Pattenden Road, Catford Hill, London, S.E.

1903. Davson, Stephen Frederick, 30 Stadacona Avenue, Chatham Street, Montreal, Canada.

1897. Davy, David, 48 North British and Mercantile Buildings, Leeds. [*Conqueror, Leeds.*]

1902. Dawbarn, Reginald Proctor, care of Señor Don J. A. Villalonga, Administrador General F. C. Gran Oeste Argentino, Mendoza, Argentine Republic.

1906. Dawe, Philip Henry, 2 Cavendish Gardens, Clapham Park, London, S.W.

1901. Dawson, Henry Watson, Heather Lea, Timperley, Altrincham.

1902. Dawson, John Edward, Corporation Electricity Works, West Hartlepool.

1890. Day, Arthur Godfrey, Director of Studies, Science Art and Technical Schools, Guildhall, Bath.

1899. Day, Claud Albert Stainton, Messrs. Dick, Kerr and Co., 110 Cannon Street, London, E.C.; and Grosvenor House, Isleworth.

1902. Deacon, Robert Dugald, Anglo-Chilian Nitrate and Railway Co., Tocopilla, Chile.

1903. Deakin, George Welsby, 20 Devonshire Road, Birkenhead.

1901. Dean, George, Avenida de Mayo 651, Buenos Aires, Argentine Republic.

1901. Delacour, Harry Mark, care of J. M. Dewar, 4 Lloyds Avenue, Fenchurch Street, London, E.C.

1905. Dell, Francis Albert Bleekly, Messrs. W. B. Dell and Son, 24 Mark Lane, London, E.C.

1904. Deluce, Samuel Alfred Nelson, General Manager, Messrs. W. T. Ellison and Co., Irlams-o'-th'-Height, Manchester.

1903. Dennis, George Stanley, 26 Newton Road, Bayswater, London, W.

1904. Derbyshire, John, Victoria Coal and Coke Co., Southgate House, Wakefield.

1906. Devey, Arthur Charles, British Insulated and Helsby Cables, Lennox House, Norfolk Street, Strand, London, W.C.

1899. De Ville, Martin, Ocean Accident and Guarantee Corporation, 36-44 Moorgate Street, London, E.C.

1904. Dew, Joseph Turner, St. John's, Antigua, West Indies.

1903. Dewhirst, James, Surveyor and Waterworks Engineer, Chelmsford Rural District Council, Avenue Chambers, Chelmsford.

1903. Dews, James Walter, Municipal Technical College, Bradford.

1901. Dickinson, Henry Winram, Victoria and Albert Museum, South Kensington, London, S.W.

1898. Dickinson, William, Beverleys, Spring Grove, Isleworth.

1901. Digby, William Pollard, 82 Victoria Street, Westminster, S.W.

1905. Dimmack, Arthur, Corporation Electricity Works, New Crane Street, Chester.

1905. Divecha, Ramchundra Nursey, Maneckchock and Ahmedabad Manufacturing Co., Sugar Lane, Ahmedabad, India.

1906. Dixon, Horace Harcourt, President, Dixon Steam System Co., Chicago, Ill., United States: 88 St. James's Street, London, S.W.

1902. Dixon, John, 219 St. Vincent Street, Glasgow.

1898. Dobbs, Herbert Treadwin, 6 Claude Road, Cardiff.

1904. Dobson, Benjamin Palin, Messrs. Dobson and Barlow, Kay Street Machine Works, Bolton. [Dobsons, Bolton. 43.]

1899. Dodridge, Frederick, Chief Engineer's Office, Keyham Yard, Devonport; and 58 Amherst Street, Plymouth.

1904. Dombrain, Henry Athelstan Aeworth, Stockvik, Sundsvall, Sweden.

1906. Dommen, Edouard, Manager, Nestlé and Anglo-Swiss Condensed Milk Co., Tutbury, Burton-on-Trent.

1904. Don, John, Carrick Academy, Maybole.

1902. Donaldson, James, 93 Tressillian Road, Brockley, London, S.E.

1906. Donaldson, James Alexander, Messrs. Babcock and Wilcox, 21 St. Vincent Place, Glasgow.

1898. Donne, Frederick Edward Mowbray, Locomotive Department, Midland Railway, Nottingham.

1906. Dorling, Horace Norman, Worthington Pump Co., 102 St. Mary Street, Cardiff.

1903. Dougill, Alfred Henry, Messrs. Alfred Dougill and Co., 36 Great George Street, Leeds. [*Dougill, Leeds.* 586.]

1904. Douglas, Charles Edward, Messrs. Mather and Platt, Salford Iron Works, Manchester.

1899. Douglas, William Saunders, Consett Iron Works, Consett, R.S.O., County Durham.

1891. Douglass, Alfred Edwards, South Staffordshire Water Works, Paradise Street, Birmingham.

1904. Dow, Harold Percy, 29 and 30 Birkbeck Bank Chambers, Southampton Buildings, Holborn, London, W.C.

1902. Down, Percy Bissett, Messrs. Thomas Parker, Wolverhampton.

1896. Dowson, Erasmus Charles Head, 313 Board of Trade Building, Montreal, Canada.

1905. Dowson, Ernest Alfred, Dowson Economic Gas and Power Co., 45 Newhall Street, Birmingham.

1898. Dowson, Robert Manning, New Club, Johannesburg, Transvaal.

1900. Drake, Arthur James, Messrs. Walker Bros., Pagefield Iron Works, Wigan.

1906. Drake, Arthur Penrhyn, 33 Shrewsbury Road, Sheffield.

1901. Draycott, George Edwin, Borough Road Polytechnic, London, S.E.

1900. Dresser, Charles, The Engineering Standards Committee, 28 Victoria Street, Westminster, S.W.

1900. Drewitt, William Henry, Messrs. J. and P. Coats, Ferguslie Thread Works, Paisley.

1904. Drinnan, John, 417 Main Road, Darnall, Sheffield.

1904. Drury, Henry William Collins, District Locomotive Superintendent, Great Eastern Railway, Doncaster.

1902. Dryden, William, Grimshaw Street Foundry, Preston.

1906. Dudin, John Percy, London County Council Electric Power Station, East Greenwich, London, S.E.

1903. Duke, Reginald Francis, Messrs. Duke and Ockenden, Ferry Wharf Works, Littlehampton. [*Dando, Littlehampton.* 6.]

1895. Dumas, Robert, Messrs. Bruce, Peebles and Co., East Pilton, Edinburgh.
1901. Duncan, John, Municipal Technical Institute, Romford Road, West Ham, London, E.
1903. Dunkerton, Ernest Charles, 97 Holly Avenue, Newcastle-on-Tyne.
1904. Dunn, James, Engineering Department, Leeds Technical School, Cookridge Street, Leeds.
1902. Dunt, Robert Archibald, 44 St. Paul's Terrace, London Road, Southampton.
1906. Dutton, Frank Henry, Signal Engineer, Central South African Railways, Germiston, Transvaal.

1903. Eades, John, Jun., 11 Mansfield Chambers, St. Ann's Square, Manchester.
1901. Eastlake, Arthur William, 4 Bishopsgate Street Within, London, E.C.
1902. Eaton, George Henry, 18 Broxash Road, Clapham Common, London, S.W.
1906. Eckart, William Rankine, Jun., 1125 Ramona Street, Palo Alto, California, United States.
1903. Edge, Thomas, Controller's Department, Room 100, Old Building, Admiralty, Whitehall, London, S.W.
1900. Edleston, Alfred Edward, Mond Nickel Co., Clydach-on-Tawe, Glamorgan.
1893. Edmondson, Alfred Richard, M.Sc., The Oaks, Moss Lane, Timperley, Altrincham.
1904. Edward, Frank, Works Manager, Messrs. G. Waller and Son, Phoenix Iron Works, Stroud, Gloucestershire.
1899. Edwards, James George Benjamin, Engineering Department, Cockburn Schools, Leeds.
1906. Edwards, John, Messrs. Hughes and Lancaster, 7 Largo do Viriato, Oporto, Portugal.
1905. Eggers, Hermann Fredric Carl, 39 Forth Street, Dunedin, New Zealand.
1900. Ellington, Guy, London Hydraulic Power Co., 9 Bridge Street, Westminster, S.W.; and Monkton Lodge, Kingston Hill, Kingston-on-Thames.
1904. Elliott, George Henry, Oakhurst, 6 Benson Road, Forest Hill, London, S.E.
1905. Elliott, Stanley Herbert, Oficina Pepita, Aguas Blancas, Antofagasta, Chile.
1903. Ellis, Bernard Pemberton, Messrs. Rendel and Robertson, 8 Great George Street, Westminster, S.W.
1904. Ellis, Jesse, Jun., Works Manager, Messrs. Jesse Ellis and Co., Invicta Works, St. Peter Street, Maidstone.
1900. Ellison, John, 29 Bridge House, 181 Queen Victoria Street, London, E.C.
1905. Ellison, William Thomas, 31 Duffield Road, Irlams-o'-th'-Height, Manchester.

1906. Elton, Sydney George, Messrs. James Simpson and Co., 10 Clive Street, Calcutta, India.

1902. Embleton, Charles Arnold, care of George Cawley, 25 Victoria Street, Westminster, S.W.

1905. Emerson, William Alexander Ingilby, Locomotive Department, Great Northern Railway, Colwick, Nottingham.

1904. Emery, James Inman, Messrs. P. Orr and Sons, Mount Road, Madras, India.

1905. Engholm, Alexander Goldie, 30 Church Street, Birmingham.

1905. English, Robert, Engineer, Christchurch Gas Co., Christchurch, New Zealand.

1904. Enock, John Kemp, Terling, Witham.

1902. Epps, Laurence George John, Natal Government, 39 Victoria Street, Westminster, S.W.

1902. Ermen, George, Wardry Works, 152-156 Chapel Street, Salford, Manchester.

1902. Espeut, Reginald William Armit, Sierra Leone Railway, West Africa.

1902. Etchells, Ernest Fiander, Building Act Office, London County Council, Spring Gardens, London, S.W.

1903. Etlinger, George Ernest, Messrs. John Birch and Co., 3 London Wall Buildings, London, E.C.

1906. Evans, Ernest Alfred, Western Australia Government Railways, Midland Junction, Western Australia.

1900. Evans, Griffith Cooper, Messrs. A. L. Secretan and Co., Johannesburg, Transvaal.

1905. Evans, William, Messrs. Harland and Wolff, Engine Works, Belfast.

1904. Everett, George Eliot, 45 Lansdowne Road, Bedford.

1901. Evetts, William, Jun., School of Practical Engineering, Crystal Palace, Sydenham, London, S.E.

1902. Excell, Maurice Stanley, 1 Honiton Road, Kilburn, London, N.W.

1904. Eyers, Cyril, East Indian Railway, Jamalpur, Bengal, India.

1899. Fairley, Frank, Messrs. Poole Lander and Co., Hankow, China.

1904. Farnham, William Augustus, Engineer and Surveyor, Fooths Cray Urban District Council Offices, Sidcup, R.S.O., Kent.

1903. Farnsworth, Alfred William, The Strand Chambers, Derby.

1905. Farnsworth, Frank Smedley, care of A. W. Farnsworth, Strand Chambers, Derby.

1906. Faulkner, Francis Claude, Messrs. C. S. Rolls and Co., 14-15 Conduit Street, London, W.

1895. Fawcett, Percy William, Middlewood Hall, near Sheffield.

1905. Fawkes, Rupert Edward Francis, Elmfield, Bayhill, Cheltenham.

1906. Fawns, Sydney, 237 Finsbury Pavement House, London, E.C.

1904. Fearnley, George William, Crawford Municipal Technical Institute, Emmett Place, Cork.

1903. Fellows, Thomas Edgar, Municipal Engineer and Surveyor, Town Hall, Willenhall, Wolverhampton.

1905. Ferguson, Roderick Morrison, 371 Hollins Road, Hollinwood, Oldham.

1903. Ferguson, Russell Forrester, Borough Electrical Engineer, Hastings Corporation, Earl Street, Hastings.

1903. Fernandez, Rafael, Colombres 872, Buenos Aires, Argentine Republic.

1900. Fiegehen, Edward George, 78 Hough Lane, Bramley, Leeds.

1904. Field, Arthur Josiah, Messrs. Lansard and Co., 216 Goswell Road, London, E.C.

1894. Finlayson, David, Muirhall Road, Larbert.

1900. FitzHerbert, Arthur Hugh Francis, 26 St. Mary's Grove, Chiswick, London, W.

1906. Fleet, Ernest Frank, Signal Engineer's Office, North Eastern Railway, York.

1895. Fleischer, Paul, Messrs. A. Guinness, Son and Co., St. James' Gate Brewery, Dublin.

1905. Fletcher, Aubrey, Electricity Works, Braywick Road, Maidenhead.

1905. Fletcher, Frank Purser, H.M. Dockyard, Chatham.

1899. Flint, Leonard Robert, Babcock and Wilcox Co., New York Life Building, Place d'Armes, Montreal, Canada.

1902. Forga, Alfred, Engineer and Manager, Cotton Spinning and Weaving Mill, Arequipa, Peru.

1902. Forgan, Charles, Power House Superintendent, Central London Railway Shepherd's Bush, London, W.

1901. Forster, Andrew, Messrs. J. Samuel White and Co., Cowes, Isle of Wight.

1903. Forster, Richard, The Chestnuts, Donnington, Newport, Salop.

1904. Forsyth, Reginald James, 72 Egerton Road, Withington, Manchester.

1904. Forsyth, William, Ingenio San Antonio, Chichigalpa, Nicaragua.

1902. Forward, Ernest Alfred, Machinery Division, Victoria and Albert Museum, South Kensington, London, S.W.

1905. Foster, Edgar, Derby Gas Light and Coke Co., Friar Gate, Derby.

1895. Foster, Edward Hornby, Messrs. John Foster and Son, Black Dike Spinning Mills, Queensbury, near Bradford.

1904. Foster, Robert John, Hadfield's Steel Foundry Co., East Hecla Works, Sheffield; and Lyme Villa, Rotherham.

1902. Foster, Sydney, Lancashire and Yorkshire Railway, Fleetwood, R.S.O., Lancashire.

1904. Fothergill, Samuel Fothergill Watson, Manager, Messrs. E. Reader and Sons, Cremorne Street, Nottingham.

1901. Fox, Edmund John, Grosvenor House, Clifton Road, Rugby.

1906. Fox, Francis Henry Wright, Messrs. Sir Douglas Fox and Partners, 28 Victoria Street, Westminster, S.W.

1899. Fox, Frederick Joseph, Messrs. Bryan Corcoran, Back Church Lane, Whitechapel, London, E.; and Ely, Kingston Road, Romford.

1907. Fox, Samuel Alexander, Messrs. W. Sisson and Co., Quay Street Iron Works, Gloucester.

1904. Fradley, Herbert Thomas, Messrs. W. and H. M. Goulding, Dublin.

1902. Francis, Adolphus Sydney, Engineer, Gas and Water Department, Town Hall, Clacton-on-Sea.

1902. Fraser, William Stuart, District Locomotive Superintendent, Bombay, Baroda and Central India Railway, Bandikui, Rajputana, India.

1906. Frazer, John Peter, Superintendent Engineer, Messrs. Purdie, Glen, Millar and Co., 55 West Regent Street, Glasgow.

1899. Freeman, Walter William, Grove House, Grove Road, Fenton, Stoke-on-Trent.

1899. French, Arthur Houle, Chelmsford Electric Lighting Co., Arc Works, Chelmsford.

1902. French, Frederick Charles, London and South Western Railway, Locomotive Works, Nine Elms, London, S.W.

1897. Frerichs, Jacob Andrew, Mechanical Engineering Dept., Messrs. H. Eckstein and Co., P.O. Box 149, Johannesburg, Transvaal.

1907. Friedrichs, Friedrich Wilhelm, Park Gate Iron and Steel Co., Rotherham.

1900. Fripp, Steuart, Jun., Assistant Locomotive Superintendent, Great Western of Brazil Railway, Caixa 114, Pernambuco, Brazil.

1905. Froggatt, Frederick, Messrs. John Harper and Co., Albion Works, Willenhall, Wolverhampton.

1906. Frost, Gardiner Henry, 16 Spring Bank Road, Chesterfield.

1903. Frost, Henry Maurice, 144 Liscard Road, Liscard, Cheshire.

1903. Fryer, Frederick George, Messrs. Rowntree and Co., Cocoa Works, York.

1903. Fryer, John Edwin George, Messrs. Humphreys and Glasgow, 38 Victoria Street, Westminster, S.W.

1901. Fryer, Tom Jefferson, Celtic Works, Savile Street East, Sheffield.

1907. Fuller, Ernest William, Engineer-Manager, Harrogate Road Car Co., Harrogate.

1905. Fulton, Norman Osborne, Albion Motor Car Co., South Street, Scotstoun, Glasgow; and Ballageich, South Brae Drive, Scotstounhill, Glasgow.

1904. Furness, Reginald Lester, Messrs. Fraser and Chalmers, Salisbury, Rhodesia.

1900. Furnivall, William Henry Graham, 112 Muller Street, Bellevue, Johannesburg, Transvaal.

1905. Fyfe, Charles Francis Alexander, 31 Jermyn Street, Liverpool.

1906. Fyfe, John Walker, Metropolitan Asylums Board, Victoria Embankment, London, E.C.

1902. Gahagan, Roland Hayes, Messrs. George Gahagan and Co., Byeulla, Bombay, India.

1899. Gale, Robert Harry, 38 Scarsdale Villas, Kensington, London, W.

1896. Gallé, William Alexandre, Locomotive Department, Great Central Railway, Gorton, Manchester.

1906. Galley, Frederick George, Works Manager, Anglian Motor Co., Beccles.

1905. Gamble, George Martin, Messrs. T. C. Aveling and Co., New Street, Birmingham.

1900. Garland, Frederick Joseph, General Manager, Water Works, Frimley Green, Farnborough, Hants.

1902. Garnett, Herbert, Irish Peat Development Co., Maghery, Moy, Ireland.
[*Garnett, Maghery.*]

1901. Garratt, Ernest Albert, Messrs. Jacobs and Barringer, 78 Gracechurch Street, London, E.C.

1896. Garrett, Easton, Messrs. Bailey, Walker and Co., 456 Calle Cuyo, Buenos Aires, Argentine Republic.

1890. Garrett, Frank, Jun., Messrs. Richard Garrett and Sons, Leiston Works, Leiston, R.S.O., Suffolk.

1902. Garrett, John Dunnell, 27 Victoria Square, London, S.W.

1898. Garvey, Richard Godfrey Hamilton, 25 Park Mansions, Prince of Wales Road, Battersea, London, S.W.

1900. Gash, Lumley Clifton, Works Manager, Messrs. William Foster and Co., Lincoln.

1903. Gaskell, Holbrook, Jun., Chief Engineer's Office, United Alkali Co., Widnes.

1904. Gavey, Arthur, P.O. Box 3003, Johannesburg, Transvaal.

1901. Gawthorne, William Arthur, Kohinoor Mills Co., Bombay, India.

1902. Geach, Lewis Cecil, Locomotive Department, Midland Railway, Canklow, Rotherham.

1905. Gearing, Harry Charles, Messrs. Cunningham and Gearing, Atlas Works, Cape Town, Cape Colony.

1903. Gee, Thomas John, Superintending Engineer, Messrs. Agar, Cross and Co., 124 Calle Defensa, Buenos Aires, Argentine Republic.

1903. Geen, Harry, Sun Buildings, Clare Street, Bristol.

1902. Gentry, Buchan Stratton, The Nook, Grange Road, Chiswick, London, W.

1900. George, James MacNaughten, Gourepore Co., Gourepore, near Calcutta, India.

1902. George, John William, Lynn Cottage, Dighton Road, Wandsworth, London, S.W.

1904. George, William Carlisle, 5 Sharia Abu el Hak el Soumbati Maison Adley Bey, Cairo, Egypt.

1906. George, William Thomas, Messrs. Dewartance and Co., Great Dover Street, London, S.E.

1905. Gibb, Maurice Sylvester, Mechanical Engineering Department, North Eastern Railway, Gateshead.

1899. Gibbins, John Ernest, Shoreham Saw Works, White Croft, Sheffield.

1904. Gibson, Edward Marriott, Schlüsselburg Calico Printing Co., Schlüsselburg, Russia.

1900. Gibson, George Henry, 4 Boleyn Road, Pollokshields, Glasgow.

1907. Gibson, William, Messrs. Barry, Henry and Co., Aberdeen.

1905. Gilchrist, James Archibald Robertson Glen, care of Messrs. Wilson and Co., Tientsin, China.

1904. Gill, Charles Edgar, Cumberland Telephone and Telegraph Co., New Orleans, La., United States.

1900. Ginders, Ernest Marsh, 12 College Road, Moseley, Birmingham.

1905. Girling, Harry Morton, Ballocherra Tea Estate, Burkola P.O., Cachar, India.

1904. Girling, Herbert Charles, Messrs. Colegrave and Co., Dispensary Lane, Newcastle-on-Tyne.

1902. Gledhill, Arthur Henry, Messrs. G. H. Gledhill and Sons, Trinity Works, Halifax.

1901. Goddard, William Herbert, care of General Manager, Great Southern Railway, Buenos Aires, Argentine Republic.

1900. Godson, Edward Harold, East Indian Railway, Jamalpur, Bengal, India.

1896. Goffe, Edward, Mechanical Engineering Dept., Messrs. H. Eckstein and Co., P.O. Box 149, Johannesburg, Transvaal.

1902. Goldarbeiter, Joseph Leonard, 21 Kronverkskaia Street, St. Petersburg, Russia.

1902. Goldie, Robert Murdoch, Messrs. Riley, Hargreaves and Co., Singapore, Straits Settlements.

1898. Golding, Henry Albert, 51 The Grove, Wandsworth, London, S.W.

1902. Golledge, William Thomas, Messrs. Aublet, Harry and Co., 53-55 Curtain Road, London, E.C.

1904. Goodacre, William Geoffrey, 27 Moreton Avenue, Stretford, Manchester.

1904. Goodbehere, Eric, Messrs. Brooks and Doxey, 131 Dornacherstrasse, Basle, Switzerland.

1906. Goodeve, Thomas Edward, Locomotive Department, London and North Western Railway, Crewe.

1905. Goodier, Herbert, The Nook, Hartington Street, Barrow-in-Furness.

1905. Goodwin, Robert, Morton House, near Alfreton.

1904. Goodyear, William, Chief Mechanical Engineer, Brooks' Cement Works, Grays.

1903. Goolding, Edmund, 16 Stondon Park, Honor Oak Park, London, S.E.

1902. Gordon, Charles William, 8 Murray Road, Brentford.

1906. Gordon, Ernest Arthur Hamilton, London County Council Fire Brigade, Southwark, London, S.E.

1898. Gordon, James, 81-83 Knightrider Street, London, E.C. [*Gordolobo, London*]; and 23 St. James' Mansions, West End Lane, West Hampstead, London, N.W.

1897. Gordon, John Wilton, Messrs. John Gordon and Co., Dashwood House, 9 New Broad Street, London, E.C.

1901. Gore, Herbert Reginald, Bibiani Gold Fields Ltd., Dunkwa, West Africa.

1902. Gott, Joseph Barraclough, Sandycroft Foundry Co., near Chester.

1902. Goudie, William John, 6 Beaton Road, Maxwell Park, Glasgow.

1901. Goulding, Benjamin Joseph John, Chief Engineer, Machinery Trust, 189 Fleet Street, London, E.C.

1899. Goulstone, Ernest Edwin, Superintendent, Water and Sewage Works, Cawnpore, India.

1905. Gower, William Edward, Underfeed Stoker Co., Coventry House, South Place, Finsbury, London, E.C.

1902. Graham, James Lindsay, 4 Melford Avenue, Thornton Heath, Surrey.

1905. Graham, Thomas, Messrs. Read, Holliday and Sons, Turnbridge, Huddersfield.

1901. Grant, Daniel John, Messrs. Harland and Wolff, Queen's Island, Belfast.

1897. Grant, Hector, 300 Bath Street, Glasgow.

1907. Grant, John Edward, Morgan Crucible Co., Battersea Works, London, S.W.

1896. Grant, William, Messrs. Workman, Clark and Co., Engine Works, Queen's Road, Belfast.

1904. Gravell, Arthur, Nahan Foundry, Nahan, near Umballa, Punjab, India.

1905. Gray, James, Messrs. Donald Currie and Co., Orchard House, Blackwall, London, E.

1902. Greaves, Horace John, The Chambers, Park Square, Leeds.

1904. Greaves, William, 2 High Street, Ecclesfield, Sheffield.

1902. Green, Bernard Joseph, Chief Engineer, Drainage and Waterworks, Town Hall, Kidderminster.

1905. Green, Frederick Walton, Electricity Works, Piers Road, Handsworth, Birmingham.

1903. Green, Harry Hewlett Richard, 18 St. German's Road, Forest Hill, London, S.E.

1899. Green, John Singleton, Municipal Offices, Haslingden, near Manchester.

1900. Greene, Frank Arnold, Messrs. Henry Greene and Co., 22 Martin's Lane, London, E.C. [*Three Keys, London.* Bank 5827.]; and 7 Alexandra Mansions, West End Lane, London, N.W.

1906. Greenhough, Edward Laurence, Chief Locomotive Supt., Assam Railway and Trading Co., Dibrugarh, Assam, India.

1906. Greenwood, Vladimir Edward, Birmingham Metal and Munitions Co., Adderley Road, Saltley, Birmingham.

1904. Gregson, Bryan Padgett, care of Mrs. Gregson, Coldstream, Greenway Lane, Bath.

1904. Griffiths, Edward Meredith, Messrs. C. W. Burton, Griffiths and Co., 1-3 Ludgate Square, Ludgate Hill, London, E.C. [*Hibou, London.* 5423 Bank.]

1902. Griffiths, Harold, Messrs. Kynoch, Witton, Birmingham; and Thornbury, Woodbourne Road, Edgbaston, Birmingham.

1904. Griffiths, Ralph Stanley, Resident Engineer, Messrs. McKenzie and Holland, 61 Sinclair Road, West Kensington, London, W.

1900. Grimley, William Richard Nash, Chief Engineer, Alliance Electrical Co., 23 Grafton Street, London, W.

1903. Groom, Isaac Stephen West, District Locomotive Superintendent, Great Northern Railway, Grantham.

1905. Grose, Francis Howard, H.M. Dockyard, Simon's Town, Cape Colony.

1902. Groundwater, Alick George, Stoneywood Wood Works, Bucksburn, Aberdeen.

1895. Groundwater, Samuel, Shanghai Dock and Engineering Co., Shanghai, China.

1897. Grove, Harry, Ivy Dene, Pinhoe Road, Exeter.

1895. Groves, Montague, P.O. Box 111, Salisbury, Rhodesia, South Africa.

1903. Groves, Thomas, Kuala Lumpur, Selangor, Federated Malay States.

1903. Guest, George Nevill, Messrs. Hollings and Guest, Thimble Mill Lane, Aston, Birmingham. [3060.]

1903. Gulliver, Gilbert Henry, Engineering Laboratory, The University, Edinburgh.

1904. Gutcher, William, Works Manager, Singapore Oil Mills, Singapore, Straits Settlements.

1904. Guyatt, David John, Patent Shaft and Axletree Co., Wednesbury.

1904. Haden, Charles Ingham, Messrs. G. N. Haden and Sons, St. George's Works, Trowbridge. [*Haden, Trowbridge.* 2.]

1894. Hadengue, Charles Benjamin, Messrs. Carew and Co., Rosa Sugar Works, Rosa, North Western Provinces, India.

1899. Hadley, William Pearce Holbrow, Pertabgarh Tea Estate, Sootea P.O., Bishnauth, Assam, India.

1905. Hadwen, Frederick Walter, Kebroyd Mills, near Halifax.

1902. Hailey, Frank Percival, West London Joinery Co., Strand-on-the-Green, Chiswick, London, W.; and 26 Arlington Park Mansions, Chiswick, London, W.

1902. Hale, Harold, Electric Light Works, Montrose.

1902. Haler, Percy James, 26 Argyle Road, Tottenham, London, N.

1896. Hall, Benjamin James, 41 Castelnau, Barnes, London, S.W.

1902. Hall, John Edward, Messrs. Howarth Erskine and Co., Singapore, Straits Settlements.

1905. Hamblin, Henry Joel, Chief Engineer, Oakhill Brewery Co., Oakhill, Bath.

1903. Hamilton, Alexander, Jun., Chief Engineer, Bacares Iron Ore Mines, Seron, Almeria, Spain.

1907. Hamilton, Archibald Gilbert, Burma Railways Co., Rangoon, British Burma.

1906. Hamilton, Gavin James, Messrs. Wilson, Sons and Co., Pernambuco Brazil.

1905. Hamilton, James Alexander, Manager, Central Engine Works, Singapore, Straits Settlements.

1901. Hamilton, Thomas Fulton, Carron Iron Works, Carron, R.S.O., Stirlingshire.

1901. Hampton, Joseph, Samuel Buckley, St. Paul's Square, Birmingham.

1904. Hanbury, Herbert Wood, Edgeley, Walm Lane, Cricklewood, London, N.W.

1903. Handy, Charles Edward, Technical School, Corporation Street, Preston.

1904. Hannah, James Cameron, Messrs. Crossley Brothers, Guildhall Road, Northampton. [36 Y.]

1901. Hanning, William, 17 Rue de Maubeuge, Paris.

1903. Hansom, Oswin, Premier Chambers, Fleetwood, R.S.O., Lancashire. [*Dynamo, Fleetwood.*]

1904. Harden, George Frederick St. Clair, Messrs. Crompton and Co., Salisbury House, London Wall, London, E.C.

1903. Hardie, Edward Peter, Law Accident Insurance Society, 215 Strand, London, W.C.

1905. Hardman, Frederic, 430 Chorley Old Road, Smithills, Bolton.

1901. Hardwick, Eustace James, Messrs. W. H. Willcox and Co., 23 Southwark Street, London, S.E.; and 42 Linthorpe Road, Stamford Hill, London, N.

1902. Hardy, James Henry, 18 Summergate Place, Halifax.

1894. Hardy, William, Messrs. Joseph Fisher and Sons, Newry, Ireland.

1907. Hargreaves, Wilfred Lawson, General Manager, Messrs. Fletcher Brothers Borough Foundry, Ashton-under-Lyne.

1898. Harling, William, Borrowdale House, Lancaster.

1897. Harlow, Bernhard Schäffer, Messrs. Robert Harlow and Son, Heaton Norris Brass Works, Stockport.

1902. Harper, Neville Charles Thomason, Batstones, North Shepstone, Natal.

1905. Harpur, Samuel John, County Engineer's Office, Guildhall, Westminster, S.W.

1903. Harris, Francis Graham Reynolds, Messrs. Bramwell and Harris, 5 Great George Street, Westminster, S.W.

1904. Harris, Henry Burden, Engineer to the Croydon Corporation Tramways, (British Electric Traction Co., Lessees), Croydon.

1901. Harris, Henry Evans, Manager, Messrs. Massey and Co., Madras, India.

1894. Harris, Herbert Nelson, St. Michael's Foundry, Bridport.

1904. Harris, Stephen Edward, Inglewood, Gilford Road, Sandymount, Dublin.

1901. Harris, William Robert Alexander, Messrs. Thomas and Green, Soho Paper Mills, Wooburn, Bucks.

1904. Harrison, Nigel Sydney Augustine, Messrs. Dorman, Long and Co., Middlesbrough.

1905. Harrison, Richard, Engineer, Water Works, Hornsea, Hull.

1904. Hart, Herbert Alfred, Cardiff Railway Co.'s Works, Bute Yard, Tyndall Street, Cardiff.

1906. Hart, William Henry, 24 Strada Margherita, Conspicua, Malta.

1903. Hartley, Herbert Anderson, Messrs. Reavell and Co., Ranelagh Works, Ipswich.

1905. Hartley, Richard Frederick, Royal Laboratory, Royal Arsenal, Woolwich.

1907. Hartley, Thomas Wilson, Watertown Engine Co., Watertown, New York, United States.

1905. Hartness, John Anton, Jones and Lamson Machine Co., Jubilee Buildings, 97 Queen Victoria Street, London, E.C.

1897. Harwood, Robert Henry, Upper Hoogly Jute Mill, 9 Garden Beach, Calcutta, India.

1902. Haslam, Alfred Victor, Union Foundry, Derby.

1906. Haslam, Sidney Bertram, Messrs. Haslam and Schontheil, Western Mail Chambers, Cardiff. [*Thor, Cardiff.* 606 P.O.]

1902. Hathorn, James Charles Murray, P.O. Box 55, East Rand, Transvaal, South Africa.

1901. Hatschek, Emil, Messrs. S. Barnett and Co., 19 St. Dunstan's Hill, London, E.C.

1906. Hatton, Robert Andrew, Messrs. W. T. Henley's Telegraph Works Co., North Woolwich, London, E.

1900. Haughton, George Bayly, Messrs. Haughton and Co., 6 Lombard Court, London, E.C. [*Haughnot, London.*]

1896. Hawes, David Marc Andrew Graham, 75 Queen Victoria Street, London, E.C.

1903. Hawkins, Elyot Sydney, General Manager, Colne Valley Railway, Halstead.

1905. Hawkins, John Charles, Sand River Water Works, Uitenhage, Cape Colony.

1897. Hawkins, Thomas Spear, Millpond House, Hayle.

1902. Hawksley, Charles William, Brightside Boiler and Engine Works, Savile Street East, Sheffield.

1900. Hawksworth, Frederick Sydney, Messrs. John Spence and Co., Globe Tube Works, Wednesbury ; and Berkswell Cottage, West Bromwich.

1905. Hay, John Angus, Messrs. Dick, Kerr and Co., 130 High Road, South Tottenham, London, N.

1905. Hayes, Herbert Charles, Messrs. Rosser and Russell, 22 Charing Cross, London, S.W.

1903. Hayward, George, 33 Jameson Street, Kensington, London, W.

1904. Hayward, Joseph William, McGill University, Montreal, Canada.

1900. Haywood, Arthur Robert, 19 Pepper Street, Chester.

1904. Head, Henry Coleman, General Manager, Winchester Water and Gas Co., 19 Staple Garden, Winchester.

1907. Head, Walter George, South Metropolitan Gas Co., Old Kent Road, London, S.E.

1905. Heald, Harry, Messrs. C. Wood, Brinscall, Chorley.

1905. Hearn, Charles Hanbury, P.O. Box 589, Durban, Natal.

1896. Heath, Charles Lewis Eclair, Municipal Technical School, Park Street, Hull.

1903. Heath, James Fox, Heathfield, Lansdowne Grove, Neasden, London, N.W.

1905. Heaton, William Henry, Resident Engineer's Office, Underground Electric Railways, Lot's Road, Chelsea, London, S.W.

1903. Hedley, William Scott, 32 Rectory Terrace, Gosforth, Newcastle-on-Tyne.

1897. Hemingway, Alfred, Government Railways, Bunbury, Western Australia.

1902. Hemingway, Ransome Leigh, Natal Government Railways, Estcourt, Natal.

1906. Hemmings, Henry Francis Lewis, Works Manager, Lanchester Motor Co., Armourer Mills, Sparkbrook, Birmingham.

1902. Henderson, Donald Douglas, Messrs. Inder and Henderson, Jamaica Buildings, St. Michael's Alley, Cornhill, London, E.C. [*Inderdaad, London. 9187 Central.*]

1901. Henderson, Robert, Messrs. W. M. Melville and Henderson, Sinclairtown Foundry, Kirkcaldy.

1899. Hepworth-Collins, Walter, Messrs. Edward Wihl and Co., 17 Nicholas Street, Manchester. [*Collins, care Astra, Manchester. 3781.*]

1903. Hervey, Charles, Grove Cottage, Tonbridge.

1904. Hosketh, Thomas, Engineer and Manager, Folkestone Electricity Supply Co., Folkestone.

1901. Heward, Sidney Edgar, 52 Wickham Road, Brockley, London, S.E.

1905. Hewitt, Arnold Ernest, Messrs. Hewitt and Kellett, Bowling Boiler Works, Bradford.

1901. Heydeman, Harry George Julius, 3 Piccadilly, Manchester.

1906. Heywood, Thomas Edward Hett, Assistant Locomotive Superintendent, Taff Vale Railway, Penarth Dock, Glamorgan.

1905. Hibberd, Frederick Charles, Carriage and Wagon Department, Lancashire and Yorkshire Railway, Newton Heath, Manchester.

1902. Hickinbotham, William Trussell, Coolhurst, Holly Park, Crouch Hill, London, N.

1900. Hicks, Fredrick George, 43 Crompton Road, Handsworth, Birmingham.

1906. Higgins, Charles Francis, Chief Engineer, Egyptian Engineering Co., *Maison Spiro*, Chareh, Kasr-el-Nil, Cairo, Egypt.

1905. Higgins, Edward Panter, Tyn-y-Rheol, Stroud, Glos.

1902. Higginson, Frank, Engineer, Broadstairs Gas Co., Alexandra Road, Broadstairs.

1903. Higgs, Arthur Franklin, Chief Engineer, International Fuel Co., Chicago, Ill., United States; and Clarence House, Russell Street, Gloucester.

1899. Hildage, Henry Thomas, New York, Long Island and Pennsylvania Railway, Astor Court Buildings, 34 West 34th Street, New York, United States.

1905. Hill, Albert George, 18 Drayton Road, King's Heath, Birmingham.

1898. Hill, Alfred Percy, 8 St. Ronan's Road, Sharrow, Sheffield.

1903. Hill, Frederick John, Messrs. Death and Ellwood, Joseph Street, Leicester. [*Dethel, Leicester. 1127.*]

1898. Hill, Joseph, 1 Lawn Mansions, Gondar Gardens, London, N.W.

1905. Hill, Thomas, Messrs. Mather and Platt, Salford Iron Works, Manchester.

1897. Hill, Walter Charles, 6 Westbourne Grove, Bayswater, London, W.

1905. Hill, Walter Hereward, Messrs. Howarth, Erskine, Bangkok, Siam.

1905. Hill-Willis, Stephen Alexander, District and Water Engineer, Orsett District Council, Grays.

1905. Hinchliff, Henry Walton, Messrs. E. and W. H. Haley, Thornton Road, Bradford.

1902. Hincliffe, George William, Sewage Engineer's Office, Leeds.

1902. Hincks, John Murray, Oorgaum, Mysore State, South India.

1905. Hindle, Robert Sidney, Sir William H. Bailey and Co., 16 Fenchurch Street, London, E.C.

1905. Hird, Richard Thomas, Oficina del Ingeniero Sanitario, H. Concejo Provincial del Callao, Peru.

1902. Hislop, David Blaikie, Messrs. John Blaikie and Sons, Aberdeen.

1901. Hislop, George Robertson, Jun., 13 St. James Place, Paisley.

1895. Hockley, Norman Julius, 23 Bath Road, Buxton.

1906. Hodge, John, Wheal Vor, Breage, Helston.

1906. Hodgetts, George William, General Manager, New Vaal River Diamond and Exploration Co., Sydney, via Delpoorts Hope, Cape Colony.

1900. Hodgson, George Henry, P.O. Box 616, Sydney, New South Wales.

1898. Hodgson, Richard Broom, 16 Grosvenor Buildings, Steelhouse Lane, Birmingham. [*Manganese, Birmingham.* 5068.]

1901. Hodsdon, George Charles, Messrs. Tannett Walker and Co., Goodman Street, Hunslet, Leeds.

1903. Hodson, Frank Herbert, Messrs. Bailey-Denton and Partners, Palace Chambers, Bridge Street, Westminster, S.W.

1903. Hodson, Horace Malcolm, Messrs. Bryan Donkin and Clench, Parliament Mansions, Victoria Street, Westminster, S.W.

1906. Hoff, Edward Joseph, Gas Works, River Lane, Cambridge.

1901. Hogg, John Thallon, Locomotive Department, Government Railways, Durban, Natal.

1901. Holbrow, Charles Anthony, Chief Engineer, South Wales Electrical Power Distribution Co., Royal Chambers, Queen's Street, Cardiff.

1902. Holden, Eustace Charles, Bradshaw, Bolton.

1905. Holden, Percy, 93 High Street, Eton, Windsor.

1906. Holdsworth, Walter, Amblecote, Stourbridge.

1902. Holland, Bernard Augustus, The Lilleshall Co., Engineering Department, Oakengates, Salop.

1906. Holland, Henry Norman, Resident Engineer, South Wales Electrical Power Distribution Co., Generating Station, Treforest, Pontypridd.

1905. Holland, Louis Carl, 19 Carnarvon Street, Hollinwood, S.O., Lancs.

1901. Hollick, Aubrey Samuel, 11 Radnor Place, Liverpool.

1905. Holliday, Charles Edward, Messrs. Hans Renold, Progress Works, 3 Brook Street, Manchester.

1896. Hollingsworth, Edward Massey, St. Helens Corporation Electricity Works, St. Helens, Lancashire.

1904. Hollows, Arthur, Messrs. Brunner, Mond and Co., Northwich.

1899. Holmes, Harry, Steynton, Courtney Road, Croydon.

1903. Holmes, Richard John Montague, Corporation Tramways, Manors, Newcastle-on-Tyne.

1898. Holroyd, Victor Avison, Works Manager, Messrs. Rudge-Whitworth, Coventry; and Royd Lodge, Earlsdon, Coventry.

1905. Holroyde, George Ernest, New Farm Sugar Refinery, Brisbane, Queensland.

1906. Holt, Robert Bickerstaffe, City Tramways, Wellington Bridge Depôt, Leeds.

1902. Hope, Alaric, Engineer's Office, Dockyard, Liverpool.

1906. Hopkins, Edmund Charles, Messrs. G. Hopkins and Sons, 150-154 St. John Street, Clerkenwell, London, E.C.

1906. Hopkins, George Arthur, Messrs. G. Hopkins and Sons, 150-154 St. John Street, Clerkenwell, London, E.C.

1905. Hopkinson, Austin, 86 Cross Street, Manchester.

1906. Horne, Alexander Robert, B.Sc., Heriot-Watt College, Edinburgh.

1895. Horner, Joseph Gregory, 45 Sydney Buildings, Bath.

1906. Hornett, William George, Bengal-Nagpur Railway, Khargpur, India.

1899. Horsnall, William Owen, 4 Tavern Street, Ipswich.

1906. Horsnell, Thomas, Manager, Messrs. Matthew Keenan and Co., Armagh Works, Tredegar Road, Bow, London, E.

1903. Horton, Leonard Wilson, Messrs. Horton and Son, Alma Works, Darlaston, Wednesbury.

1906. Hosegood, Tom Presant, 33 Brynland Avenue, Bishopston, Bristol.

1903. Hoult, Wilfred, Siemens Brothers Dynamo Works, Ltd., 196 Deansgate Manchester.

1907. Housman, Robert Fletcher Aston, Manager, Messrs. Gillett and Johnston, Turret and Clock Factory and Bell Foundry, Croydon.

1904. Houston, Percival Turner, Coronation House, 4 Lloyds Avenue, London, E.C. [*Hougalen, London.* 11396 Central.]

1904. Howard, Henley Lionel, Engineer, District Council Electricity Supply and Tramways, East Street, Barking.

1905. Howarth, Edward, Technical Institute, Hackney, London, N.E.

1904. Howell, Thomas Braithwaite, British Westinghouse Electric and Manufacturing Co., Trafford Park, Manchester.

1906. Howie, Malcolm, care of H. A. Howie, Oakdene, Paget Road, Wolverhampton.

1906. Howl, Frederick William, Civil Engineering Dept., Thames Iron Works Canning Town, London, E.

1902. Hoyte, Percy Siddons, Manager, Plymouth and Stonehouse Gas Light and Coke Co., Coxsidge, Plymouth.

1905. Hudlass, Felix William Isherwood, Automobile Club of Great Britain and Ireland, 18 Down Street, London, W.

1907. Hudson, Cuthbert Banks, 49 Lancaster Road, West Norwood, London, S.E.

1903. Hudson, Ernest Victor, Wolseley Sheep Shearing Machine Co., Sydney Works, Alma Street, Birmingham.

1902. Hudson, Gerard (*Life Associate Member*), Koffyfontein Mines, Koffyfontein, Orange River Colony, South Africa.

1905. Hughes, Arthur Mumford, Tilbury Contracting and Dredging Co., 74 Great Tower Street, London, E.C.

1899. Hughes, Francis Edward Harold, 16 Ashleigh Terrace, Harrowgate, Darlington.

1901. Hummel, Horace James Jordan, Pintsch's Patent Lighting Co., 38 Leadenhall Street, London, E.C.

1904. Humphrey, Frederick George, Messrs. George Humphrey and Co., 166 High Street, Sevenoaks.

1899. Humphreys, William Henry, Manager, York Water Works, Lendal Hill, York. [42.]

1905. Humphries, Albert, Royal Laboratory, Royal Arsenal, Woolwich.

1905. Hunt, David Noël, 22 Craven Street, Strand, London, W.C.

1904. Hunt, Edward, Assistant Locomotive Superintendent, Eastern Bengal State Railway, Kanchrapara, India.

1902. Hunt, Frank, Messrs. R. Hunt and Co., Atlas Works, Earls Colne, R.S.O., Essex.

1906. Hunter, Charles Frederick, Engineering Department, Technical College, Sunderland.

1902. Hunter, Edgar Lafayette, Messrs. Hunter and Swan, 1 James Street, Bute Docks, Cardiff.

1903. Hunter, John Chalmers, Great Central Railway, Gorton Works, Manchester.

1905. Hunter, John William, Edwards' Air Pump Syndicate, 3-5 Crown Court, Old Broad Street, London, E.C.

1905. Hunton, William, 84 Sunderland Street, Houghton-le-Spring, Co. Durham.

1906. Hurd, Milner, Heatherlea, Harrogate Road, Caversham Heights, near Reading.

1903. Hurst, Bertram Lawrance, Assistant Civil Engineer, H.M. Dockyard, Portsmouth.

1906. Hurst, Joseph Henry, Messrs. Tangyes, Cornwall Works, Soho, near Birmingham.

1902. Hursthause, Ernest William, Clermont, Wellington, New Zealand.

1904. Hussey, Frederick Kinneer Eyre, The Lawn, Mudeford, Christchurch.

1906. Hutchinson, Arthur James, Farnworth Electricity Works, Albert Road, Farnworth, R.S.O., Lancs.

1900. Hutchinson, Richard John, Schweppes Ltd., 38 Chatham Street, Liverpool.

1905. Hutchinson, Percy, Messrs. Babcock and Wilcox, Oriel House, Farringdon Street, London, E.C.

1902. Hyde, George, Parkholme, Prescot Road, St. Helens, Lancashire.

1906. Hyne, Harry Everett, 1 Winchester Road, South Hampstead, London, N.W.

1905. Ibbotson, William Frederick, Messrs. Ibbotson and Green, Wellington Works, Rockingham Lane, Sheffield.

1905. Ince, Robert Self, Chief Engineer, Prudential Assurance Co., Holborn Bars, London, E.C.; and 24 Deerbrook Road, Herne Hill, London, S.E.

1902. Inder, Clarence John, Messrs. Inder and Henderson, Jamaica Buildings, St. Michael's Alley, Cornhill, London, E.C. [*Inderdaad, London. 9187 Central.*]

1904. Ingate, George James Arthur, Labuan Coalfields Co., Labuan, British North Borneo.

1903. Ingle, Herbert Edward, Messrs. Samuel Williams and Sons, Dagenham Docks, Essex.

1898. Inglis, William Rowland Hugh, Brooklands, Eastcote, Pinner, S.O., Middlesex.

1906. Ingram, Anthony Howard, Uskside Engineering Works, Newport, Mon.

1903. Innes, Augustus Montague, Messrs. G. H. Innes and Co., Station Iron Works, Hitchin. [*Innes, Hitchin.*]

1897. Ironside, William Allan, Messrs. Bird and Co., Calcutta, India.

1906. Isaac, Gwilym Bertram, Old Foundry, Carmarthen.

1896. Issigonis, George Demos, The D. Issigonis Works, Smyrna, Turkey in Asia.

1900. Ito, Kumezo, Mitsu Bishi Dockyard and Engine Works, Nagasaki, Japan.

1902. Izod, Edwin Gilbert, Messrs. Willans and Robinson, Victoria Works, Rugby.

1904. Jack, James Haddow, Hadfield's Steel Foundry Co., East Hecla Works, Sheffield.

1898. Jackson, Ernest, 188 Cornwall Road, South Tottenham, London, N.

1898. Jackson, Robert Hiram, Messrs. Schäffer and Budenberg, Whitworth Street, London Road, Manchester; and 90 Elizabeth Street, Cheetham, Manchester.

1905. Jackson, Robert Montrésor, Argentine North Eastern Railway, Monte Caseros, Province of Corrientes, Argentine Republic.

1898. James, Henry Haughton Rhodes, 13 Victoria Street, Westminster, S.W.

1902. James-Carrington, Henry, Messrs. Belliss and Morcom, Ledsam Street, Birmingham; and Hollies, Poplar Avenue, Edgbaston, Birmingham.

1902. Jameson, William Hope Masterton, Langham Lea, Bowdon, Altrincham.

1902. Jayawardena, Theodore Godfreid Wijesinghe, Government Factory, Colombo, Ceylon.

1903. Jeff, William, Northfleet District Engineering Works, Northfleet, Kent.

1901. Jeffreys, Richard Rice Vesey, Beira and Mashonaland and Rhodesia Railways, Heany Junction, Rhodesia, South Africa.

1893. Jenkin, Charles James, Engineer and Surveyor, Urban District Council, Finchley, London, N.

1905. Jenkins, Edgar Jackson, Manager, Messrs. Robert Jenkins and Co., Masborough Boiler Works, Rotherham.

1903. Jewson, Herbert, Works Manager, Messrs. Hobbies, Dereham.

1906. Job, Norris Henry, Messrs. Head, Wrightson and Co., Teesdale Iron Works, Thornaby-on-Tees.

1906. Johnson, Alfred, Messrs. Head, Wrightson and Co., Teesdale Iron Works, Thornaby-on-Tees.

1904. Johnson, Edward, Herdeiros Bowman Ltd., Caixa 57, Pernambuco, Brazil.

1902. Johnson, Frederick Augustus, Castleton Foundry and Engineering Works, Armley Road, Leeds.

1897. Johnson, George, Messrs. Johnson and Fletcher, P.O. Box 580, Bulawayo, Rhodesia, South Africa.

1906. Johnson, Henry, Cambridge Street, Harrogate.

1903. Johnson, Henry Howard, Resident Engineer, Village Main Reef Gold Mining Co., P.O. Box 1091, Johannesburg, Transvaal.

1903. Johnson, Hilton, 5 Bloomsbury Mansions, Hart Street, London, W.C.

1903. Johnson, John Henry, Messrs. Crompton and Co., Arc Works, Chelmsford.

1906. Johnson, Percy Stuart, Brades Steel Works, near Birmingham.

1902. Johnson, Philip Henry, Kroonstad Club, Kroonstad, Orange River Colony, South Africa.

1898. Johnson, Walter Wroe, Castleton Foundry and Engineering Works, Armley Road, Leeds.

1904. Johnston, George Washington Pirrie, Messrs. George Johnston and Co., 110 Cannon Street, London, E.C. [*Slapjack, London.* 8024 Bank.]

1902. Johnston, Leonard, General Manager, Light Railways Department, Bristol Road, Gloucester.

1903. Jolliffe, Christopher Hubert, Ellesmere, Ward Place, Colombo, Ceylon.

1903. Jones, Charles, Chief Electrical Engineer, Metropolitan Railway, Power Station, Neasden, London, N.W.

1900. Jones, Frank Harding, 142 Palace Chambers, 9 Bridge Street, Westminster, S.W.

1906. Jones, Frederick, Messrs. A. Capelle, 3 Dock Chambers, Cardiff.

1906. Jones, George Robert Williamson, Engineer and Manager, Empreza do Gaz, Pernambuco, Brazil.

1902. Jones, Laurence Alban, Messrs. T. Bernard Hall and Jones, King's Court, Colmore Row, Birmingham. [*Tamar, Birmingham.*]

1901. Jones, Samuel Dawson, Messrs. Tangyes, Cornwall Works, Soho, near Birmingham.

1904. Jones, Samuel Derwen, Cliffe Cottage, Halifax Road, Batley.

1900. Jones, Stanley Hunter, Commercial Gas Works, Stepney, London, E.

1906. Jones, Stanley Peters, Superintendent, Liverpool Hydraulic Power Co., 123 Athol Street, Liverpool.

1902. Jones, Thomas Morris, Cae-Derw, Lake Avenue, Sundridge Park, Bromley, Kent.

1901. Jones, William Edwin, 157 Ravenslea Road, Balham, London, S.W.

1906. Jopling, Arthur, Langholm Road, East Boldon, Sunderland.

1905. Jopling, Hugh Lanzi Woodwell, Messrs. Lawton and Co., Bath Road, Leeds; and The Grange, Pudsey, Leeds.

1904. Jordan, Albert Edward, 6 High Road, Nungumbaukum, Madras, India.

1903. Josselyn, Edward, Messrs. A. Ransome and Co., Stanley Works, Newark.

1902. Jukes, Joseph William, Rozel, 12 Muswell Avenue, Muswell Hill, London, N.

1904. Kay, Brunel, Broken Hill Chambers, 31 Queen Street, Melbourne, Victoria.

1903. Kay, Ernest Edward, Messrs. William Douglas and Sons, Baltic Wharf, Putney, London, S.W.

1902. Keable, Alfred Henry, Bournemouth Gas and Water Works, Bournemouth.

1901. Keast, James Champion, Camborne Mining School, Camborne.

1905. Keevill, Robert Graham, Admiralty, Avenue House, Northumberland Avenue, London, W.C.

1907. Kelly, Thomas Daniel, Manager, Dustom Ltd., 12-13 Henrietta Street, London, W.C.

1905. Kemp, Herbert John, British Westinghouse Electric and Manufacturing Co., Trafford Park, Manchester.

1899. Kempt, Alfred Rodney, R.N., 13 Downs Road, Clapton, London, N.E.

1905. Kennedy, James Alexander, Langla Tea Co., Langla P.O., S. Sylhet, India.

1905. Kennedy, William, Messrs. Howarth Erskine, Singapore, Straits Settlements.

1901. Kenrick, Archibald, Jun., Caledon, 9 Sandrock Road, Tunbridge Wells.

1902. Kenshole, Henry Harding, Chief Engineer, West Ham Borough Asylum, Goodmayes, Ilford.

1899. Kensington, John Charlton, Resident Engineer, San Salvador Railway and Works, Astillero, Provincia de Santander, Spain.

1902. Kentish, Hubert, Messrs. H. C. Price Lea and Co., 9 Adam Street, Adelphi, London, W.C.

1904. Kenyon, George Cecil, Engineer's Department, Mersey Docks and Harbour Board, Liverpool.

1898. Kerr, James B., Messrs. Capel and Co., 168 Dalston Lane, London, N.E.

1905. Kerr, Peter Wyllie, 90 Ramsden Road, Balham, London, S.W.

1906. Kerr, Robert Fyfe, Blunts Road, Eltham.

1904. Kerr, William Scott, 79 Vicolo Vescovo, Valetta, Malta.

1900. Kersey, Alfred Thomas John, 9 Gibraltar Road, Halifax.

1899. Kershaw, Grindrod, Rochdale Municipal Technical School, Nelson Street, Rochdale.

1897. Ketley, Charles Bosworth, 128 Colmore Row, Birmingham. [*Invent, Birmingham.* 1132.]

1906. Kettelwell, Harry Mason, Messrs. William Bradford and Sons, Carlton Chambers, 12 Regent Street, London, S.W.

1904. Keyte, George, Manager, Corporation Gas Works, Workington.

1904. Khalil, Lient. Ibrahim, I.O.N., Engine Drawing Office, Imperial Naval Arsenal, Constantinople.

1906. Kidner, Alfred Egerton, Messrs. Reavell and Co., Ranelagh Works, Ipswich.

1902. Kilroy, Willie Dickson, Messrs. Evershed and Vignoles, Acton Lane Works, Chiswick, London, W.

1901. King, Ernest, Messrs. Mellowes and Co., Corporation Street, Sheffield.

1902. King, Henry James Hubert, Messrs. H. J. H. King and Co., Nailsworth, Stroud, Gloucestershire.

1906. Kinghorn, David Morgan, Chief Engineer, Borough of Southwark Electricity Works, Penrose Street, Walworth, London, S.E.

1905. Kirby, Edward James, Messrs. E. Bennis and Co., Little Hulton, Bolton.

1893. Kirk, Percy Roebuck, Principal, Hackney Institute, Dalston Lane, London, N.E.

1905. Kirlew, Richard Leopold, Jun., Babcock and Wilcox Co., Oriel House, Farringdon Street, London, E.C.

1902. Kirton, Walter, care of London City and Midland Bank, Ealing, London, W.

1904. Kitchen, Jonathan, Messrs. T. Balmforth and Co., Luton.

1901. Kitchen, John William, Dock Engineer's Office, Cumberland Basin, Bristol.

1904. Kitchin, William Archibald, Westminster Electric Supply Co., Eccleston Place, Belgravia, London, S.W.

1902. Kitsell, Archibald Edward, Bridge Road Engineering Works, Bridge Road, Harlesden, London, N.W.

1906. Knight, Stephenson Yates, City Chambers, 47 Queen Street, Cardiff.

1903. Knocke, George Stodart, East View, Battery Green Road, Lowestoft.

1901. Knottesford-Fortescue, John Nicholas, The College, Lichfield.

1903. Knowles, George Stanley, 57 Victoria Road, Tientsin, China.

1905. Knowles, Guy John Fenton, Messrs. Legros and Knowles, Cumberland Park, Willesden Junction, London, N.W.

1905. Knox, Robert, Municipal Office, Colombo, Ceylon.

1903. Koetter, Arnold, 3 Madeley Street, Derby.

1901. Kortright, Percy Forbes, care of Miss Evans, 31 Claud Road, Roath, Cardiff.

1901. Kremnitz, Harry, Prudential Buildings, Park Row, Leeds.

1907. Lack, Charles Tibbit, Chief Engineer, Messrs. Chivers, The Factory, Histon, Cambridge.

1906. Lagerwall, Frank Gordon, The Bungalow, 2 Bingham Road, Addiscombe, Croydon.

1905. Laird, Stanley Morrison, Courtney House, Humber Road, Blackheath, London, S.E.

1907. Lake, Charles Sidney, Room 373, 61 and 62 Chancery Lane, London, W.C.

1904. Lake, Henry Barker, Laboratory, Canadian Pacific Railway, Winnipeg Canada.

1903. Lakin-Smith, Clifford, Resident Engineer, Dorking Electricity Supply, 2 Howard Road, Dorking.

1903. Lamb, Sidney Ernest, Technical Institute, Portsmouth.

1906. Lambert, James Graham, Motor Department, Thames Engineering Works, Greenwich, London, S.E.

1903. Lambert, John Henry, Locomotive Department, South Indian Railway, Negapatam, India.

1902. Lampard, Percy, 114 Clapton Common, London, N.E.

1903. Lancaster, John Hayes, Burma Railways Co., Henzada, Burma, India.

1906. Lander, Albert Jesse, County Engineer's Department, Middlesex Guildhall, Westminster, S.W.

1906. Landstein, Joseph, 110 Queen's Road, Bayswater, London, W.

1904. Lane, Norman Augustus, Central House, 75 New Street, Birmingham.

1904. Langdon, Harold Arthur William, Locomotive Superintendent, Bolivar Railway; care of Messrs. Boulton and Co., Puerto Cabello, Aroa, Venezuela.

1904. Langley, George, 49 Bromham Road, Bedford.

1905. Larke, William James, British Thomson-Houston Co., Rugby.

1901. Larkin, Frederick Stanley, Gas Light and Coke Works, Beckton, London, E.

1897. Larmuth, John Hamilton, Messrs. Thomas Larmuth and Co., Todleben Iron Works, Unwin Street, Cross Lane, Salford, Manchester; and 115 Claremont Road, Irlams-o'-th'-Height, Manchester.

1898. Larmuth, William Oliver, Messrs. Thomas Larmuth and Co., Todleben Iron Works, Unwin Street, Cross Lane, Salford, Manchester; and Westleigh, Devonshire Road, Bentcliffe, Pendleton, Manchester.

1905. Laurenson, George Henry, 2 Esplanade, New Ferry, Cheshire.

1906. Lawrence, Henry Percy, Messrs. Howarth Erskine, Ipoh, Perak, Federated Malay States.

1905. Lawson, Francis Malcolm, Underfall Yard, Cumberland Road, Bristol.

1905. Lawson, John Charles Staveley, 70 South Street, Reading.

1902. Lawson, William, British Westinghouse Co., Trafford Park, Manchester; and Broomlea, Broomville Avenue, Sale, Manchester.

1893. Lea, Arthur Henry, Messrs. Lea and Warren, Kettering.

1906. Leach, Richard Bertram, Chief Electrical Engineer, Electricity and Tramways Department, Albert Road, Farnworth, R.S.O., Lancashire.

1902. Leach, Robert William, Messrs. James Allan and Co., Victoria Tube Works, Coatbridge.

1903. Lean, Clement, Thanet House, Temple Bar, London, W.C.

1904. Leber, John Henry, Kingsbury Engineering Works, Kingsbury Road, Ball's Pond, London, N. [*Ionidum, London.* 2272 Dalston.]

1903. Le Clair, Louis Jean, Works Manager, Société Anonyme Westinghouse, Sévran, Seine-et-Oise, France.

1905. Lee, Horace Pelham, Dereham, Putney Hill, London, S.W.

1906. Lee, Ralph Arnt Edward Bernard, Messrs. C. H. B. Forbes and Co., Bombay, India.

1905. Lee, William Harold, Wymondham Rectory, Oakham.

1906. Leech, William Beaver, Edinburgh and Leith Corporations Gas Commissioners, Granton, Edinburgh.

1901. Leeds, Edward Lambert, Niles-Bement-Pond Co., 111 Broadway, New York, United States.

1906. Leggat, John, Caledonian Chambers, 102 St. Mary Street, Cardiff.

1903. Lenox, George Duncan, Messrs. Brown, Lenox and Co., Newbridge Works, Pontypridd.

1898. Leonard, Peter, The Cottage, Crosby, Liverpool.

1901. Lester, John Milner, Messrs. Joseph Baker and Sons, Willesden Junction, London, N.W.; and 3 Hindes Road, Harrow.

1902. Lewenz, Henry Ivan, Messrs. Hillier and Co., Camperdown Motor Works, Winchester Road, Romsey.

1902. Lewis, Fredrick William, Fern Bank, Carline Road, Lincoln.

1906. Lewis, Paul Alexander, Superintendent Engineer, Messrs. W. Butler and Co., Springfield Brewery, Wolverhampton.

1904. Lewis, William Yorath, Messrs. S. Pearson and Son, P.N.Y. and L.I.R.R. Tunnels, East River Contract, Long Island City, New York, United States.

1903. Lewis-Dale, Henry Angley, Gleniffer, Stanley Road, Deal.

1905. Lidbetter, Charles Frederick, Messrs. J. Stone and Co., Oceanic House, Cockspur Street, London, S.W.

1902. Liddell, Guy, Assistant Engineer, Madras Port Trust, Madras, India.

1903. Limozin, Ferdinand Louis Joseph, Weston, Lewis Road, Sutton, Surrey.

1905. Limpus, Arthur Edward Jewers, 70 Dhurrumtolla Street, Calcutta, India.

1904. Lindsay, Henry, Messrs. Croft and Perkins, Great Northern Works, Leeds Road, Bradford.

1901. Lindsay, The Hon. Walter, 2 Cavendish Square, London, W.

1902. Lindsey-Badcock, William, Chief Engineer's Office, Great Western Railway, Paddington, London, W.

1902. Linscott, Arthur Burrow, Engineering Department, South African College, Cape Town, Cape Colony.

1904. Lishman, John James, 3 Whitefield Terrace, Plymouth.

1905. List, John Forster, care of Mr. Hunter, 13 Blythswood Drive, Glasgow.

1903. Lister, Arthur James, Duchy Chambers, Clarence Street, Manchester.

1906. Lithgoe, John, Messrs. Royce, Ltd., Trafford Park, Manchester.

1900. Locket, Athol, Hukanpukoi, Tinsukia P.O., Upper Assam, India.

1903. London, William James Albert, Westinghouse Machine Co., East Pittsburg, Pa., United States.

1903. Longland, Walter, Northampton Institute, Clerkenwell, London, E.C.

1900. Longley, Henry Banks, District Surveyor, Town Hall, Manchester.

1902. Longley, Reginald, Messrs. Octavius H. Smith and Co., 111 Grosvenor Road, London, S.W.

1905. Longley, Roland George, Messrs. Hajee Ismail Sait, Kolar Gold Fields, Champion Reef, Mysore, India.

1905. Longworth, Alfred Edgar, Messrs. Burn and Co., Howrah, Bengal, India.

1906. Lord, Frank, Technical Institute, Palmyra Square, Warrington.

1902. Lorimer, Alexander Smith, Messrs. Dübs and Co., Glasgow Locomotive Works, Glasgow.

1898. Love, Robert Templeton, Royal Bank House, Stewarton, R.S.O., Ayrshire.

1896. Lovell, Samuel George, Stickney, Boston.

1903. Loveridge, Arthur Walter, Swindon and North Wilts Technical School, Swindon.

1903. Lucas, Ralph, 191A Westcombe Hill, Blackheath, London, S.E.

1904. Luke, Richard Montague, 15 Princess Square, Plymouth.

1898. Lund, John, Messrs. Ashwell and Nesbit, 12 Great James Street, Bedford Row, London, W.C.

1902. Lupton, Norman Darnton, Messrs. Joshua Buckton and Co., Well House Foundry, Meadow Road, Leeds.

1901. Lyddon, George Edward, 3 Belgrave Road, Ilford.

1902. Lyon, Arthur Anderson, 164 Haverstock Hill, London, N.W.

1904. Lyons, Robert Ernest Brabazon, Fabrica Colon, Entre Rios, Argentine Republic.

1904. Macaulay, John, Municipal Offices, Liverpool; and 15 Brabant Road, Aigburth, Liverpool.

1906. Macauley, Charles Ridgeway, Lanston Monotype Corporation, 43 Fetter Lane, London, E.C.; and 17 Nevern Road, South Kensington, London, S.W.

1907. MacCallum, Andrew Humphry Salwey, Messrs. Crompton and Co., Arc Works, Chelmsford.

1901. MacCurraoch, Douglas Cochrane, The Briars, Saltburn-by-the-Sea.

1906. Mace, Francis Robens, Chief Engineer, Dredging Department, Natal Government Harbour Works, Durban, Natal.

1905. MacGregor, Josiah, Jun., 143 Sumatra Road, West Hampstead, London, N.W.

1901. Mackail, John Henderson, Municipal Electrical Engineer, Singapore, Straits Settlements.

1903. Mackay, Harry John Sutherland, The Stirling Boiler Co., 25 Victoria Street, Westminster, S.W.

1904. Mackenzie, Alfred Douglas, 109 Victoria Street, Westminster, S.W. [*Unbestowed, London.* 662 Westminster.]

1906. Mackinder, John Herbert, Messrs. J. E. H. Andrew and Co., Stockport Gas-Engine Works, Reddish, Stockport.

1906. Macklin, Edward Lionel, Royal College of Science, Exhibition Road, London, S.W.

1903. MacLennan, Hope Vere, Chief Mechanical Engineer, Kimberley Water Works, Kimberley, South Africa.

1903. Macleod - Carey, Arthur William Joseph, 2 Woodlands Terrace, Middlesbrough. [*Selector, Middlesbrough.*]

1902. Macnab, Thomas Pollock, Messrs. Pollock and Macnab, Britannia Machine Tool Works, Bredbury, Manchester. [*Macnab, Woodley.* 289 Stockport.]

1901. Main, George Peet, Packe Street, Loughborough.

1903. Maitland, Dascon James, 1 Groundwell Road, Swindon.

1905. Malcolm, George William, Chief Engineer, Les Forges et Fonderies de Maurice, Port Louis, Mauritius.

1907. Mallinson, Arthur Benjamin, Electrical Dept., Messrs. Mather and Platt, Salford Iron Works, Manchester.

1906. Mangold, Charles August, Messrs. Mangold Brothers, Port Elizabeth, Cape Colony.

1901. Mannock, James Jackson, General Manager, Falcon Iron Works, Oldham. [*Falcon, Oldham.* 352.]

1896. Mansfield, Alfred, Managing Director, Messrs. Edwin Mansfield and Sons, 20 Redcross Street, Liverpool.

1904. Mansfield, Frank, Messrs. Mansfield and Sons, 19 Sharia El Maghraby, Cairo, Egypt.

1899. Mansfield, James Francis, Central London Railway, Shepherd's Bush Depôt, London, W.

1897. Mansfield, Walter, Creewood Buildings, Brunswick Street, Liverpool.

1904. Manuel, Constantine, 116 Chancery Lane, London, W.C. [*Ionic, London.* 5073 Holborn.]

1905. March, Harry George, West Ham Technical Institute, Romford Road, Stratford, London, E.

1901. March, Sydney Herbert, Messrs. Charles Churchill and Co., 2 Charlotte Street, Mosley Street, Manchester.

1903. Margetson, Alfred James, City and Guilds of London Central Technical College, Exhibition Road, South Kensington, London, S.W.

1902. Maria, Horacio Santa, care of Dr. Maciel, Rawson, Chubut, Argentine Republic.

1892. Marks, Alfred Pally, 39 Corporation Street, Birmingham.

1900. Marks, Gordon Cumming, 32 Altenburg Gardens, Lavender Hill, London, S.W.

1903. Marples, Stephen Arnold, Staple Inn Buildings, Holborn Bars, London, W.C.

1905. Marr, William Kay, 3rd Circle Irrigation, Alexandria, Egypt.

1902. Marrian, Arthur Edward, Works Department, H.M. Dockyard, Gibraltar.

1902. Marsden, Alfred, 27 Camera Square, Beaufort Street, London, S.W.

1903. Marsden, Fred, Town Hall, Bradford.

1904. Marsden, Walter, Campbell Gas Engine Co., Kingston, Halifax.

1903. Marsh, Charles Fleming, Metropolitan Water Board, Savoy Court, Strand, London, W.C.

1904. Marshall, Reginald, 182 Loughborough Road, Brixton, London, S.W.

1905. Marshall, William Johnstone, Electricity Works, Vastern Road, Reading.

1888. Marten, Hubert Bindon, Contractor's Office, Great Central Railway, St. Mark's Lane, Lincoln.

1899. Martin, John, 52 Gleneagle Road, Streatham, London, S.W.

1904. Martin, Percy, Works Manager, Daimler Motor Co., Coventry.

1904. Marty, Ernesto, Calle Cevallos 1954, Buenos Aires, Argentine Republic.

1905. Marty, Federico, Calle Moreno 325, Temperley F.C.S., Buenos Aires, Argentine Republic.

1901. Martyn, Sarsfield William, 11 Pratt Street, Camden Town, London, N.W. [Aerocare, London. 984 North.]

1905. Maryon, Arthur Thompson, 41 Handen Road, Lee, London, S.E.

1902. Mascall, Arthur Edward, 40 Elmore Road, Moor Oaks, Sheffield.

1905. Mason, Charles Lyall, London and North Western Railway, Wolverton, R.S.O., Bucks.

1905. Mason, Francis Bernard, Messrs. Dorman, Long and Co., 19 Victoria Street, Westminster, S.W.

1902. Mason, John Farrer, 136A Woodhouse Lane, Leeds.

1901. Mason, John William Victor, Messrs. W. F. Mason, Alma Works, Levenshulme, Manchester. [Gasify, Levenshulme. 39 Heaton Moor.]

1904. Mason, William, Walker Engineering Laboratories, The University, Liverpool.

1900. Massey, Edward, Dallam Forge, Warrington.

1900. Mate, Walter Edwin, Messrs. Goldsmith and Mate, 293-5 City Road, South Melbourne, Victoria.

1902. Matsubara, Takashi, Mitsui Mining Co., 1 Surugachio, Nihonbashi Ku, Tokyo, Japan.

1904. Matthews, William Edward, Bridge End Foundry, Cardigan.

1906. Maudslay, Joseph, General Superintendent, Luxor and Assouan Line, Egyptian State Railway, Luxor, Upper Egypt.

1899. Maw, Henry, 17 Victoria Street, Westminster, S.W.; and 55 Margravine Gardens, West Kensington, London, S.W.

1904. Maw, Robert Lewis, 35-36 Bedford Street, Strand, London, W.C.

1906. Maw, Thomas Frederick, Messrs. Marshall, Sons and Co., Britannia Iron Works, Gainsborough.

1906. Mawson, Robert, 122 Ophelia Street, Hartford Avenue, Providence, R.I., United States.

1905. May, Horace Nunn, 8 Iffley Road, Hammersmith, London, W.

1906. May, Thomas Arthur Pratt (*Life Associate Member*), care of Messrs. Jardine, Matheson and Co., Naupiao, Tientsin, North China.

1902. Mayes, Howard, 3 Pine Mansions, Gondar Gardens, West Hampstead, London, N.W.

1902. Mayo, Charles Robert, care of C. H. Fox, Alderman's House, Bishopsgate, London, E.C.

1899. McBean, John, P.O. Box 1146, Johannesburg, Transvaal.

1906. McBride, Frederick, 11 Adelaide Terrace, Truro.

1902. McCaffery, James, 11 The Parade, H.M. Dockyard, Portsmouth.

1904. McCallum, Edward Alfred, Westinghouse Co., Electric Department, Gorochovaya No. 61, St. Petersburg, Russia.

1904. McClelland, John James, 263 Victoria Park Road, South Hackney, London, N.E.

1904. McClure, John Rayner, 4541 Marmion Way, Los Angeles, California, United States.

1904. McDermott, Hugh, 169A London Road, Leicester.

1903. McDonald, William, Messrs. A. L. Drum and Co., 624 American Trust Building, Monroe and Clark St., Chicago, U.S.

1905. McDonald, William, R.N.R., H.M.S. "Orontes," Portsmouth.

1899. McFerran, Howard A., H.M. Office of Works, Storey's Gate, Westminster, S.W.; and 10 Newstead Road, Lee, London, S.E.

1894. McGeorge, James, Bombay Burmah Trading Corporation, Rangoon, British Burmah, India.

1902. McGhee, Alexander, 48 St. Albans Road, Redland, Bristol.

1904. McGown, Rogers, 8 Charles Street, Livesey Street, Manchester. [2575.]

1898. McGregor, John, Messrs. Murray and Paterson, Coatbank Engine Works, Coatbridge.

1904. McGregor, Walter, General Manager, Central Baths, West Protection Wall, Dundee.

1906. McIntyre, Charles, Locomotive Superintendent, Fazenda Dumont, Ribeirão Preto, São Paulo, Brazil.

1904. McJerrow, Thomas, Ashanti Goldfields Corporation, Obuassi, Sekondi, Gold Coast Colony.

1901. McKerlie, James, Chief Engineer, Chilian Electric Tramway and Light Co., Santiago, Chile.

1903. McLaren, William David, Thomason Civil Engineering College, Roorkee, North Western Provinces, India.

1904. McLean, Alexander Malker, Ocean Accident and Guarantee Corporation, 9 Albert Square, Manchester; and 6 Worcester Avenue, Clubmoor, Liverpool.

1891. McMeekin, Adam, Cogry Flax Spinning Mills, Doagh, R.S.O., Co. Antrim Ireland.

1902. McMillan, John, Resident Electrical Engineer, Electricity Works, Falkirk.

1906. McNicoll, Walter, Messrs. Gourlay Brothers and Co., Dundee.

1906. McTurk, Alexander Gladstone, Chief Mechanical Engineer, Messrs. Barber, Walker and Co., Eastwood Collieries, Nottingham.

1903. Medley, Charles Powis, London Hoist and Machinery Co., 95 and 103 Worship Street, London, E.C.

1900. Meek, George Thomas, Electric Lighting Works, Townmead Road, Fulham, London, S.W.

1904. Meenan, Geoffrey Brennan, 198 Great Brunswick Street, Dublin.

1906. Melland-Smith, Hubert Rawson, Kuttal Tea Estate, Silchar P.O., Cachar, India.

1902. Mensforth, Holberry, 61 Urmston Lane, Stretford, Manchester.

1905. Merrall, Charles Eddington, 20 Grove Lane, Denmark Hill, London, S.E.

1905. Merrett, John Alfred, Levin, North Island, New Zealand.

1902. Meyrick-Jones, Leonard Meyrick, 35 West Cromwell Road, Kensington, London, S.W.

1906. Michael, Hubert, Water Engineer, Municipality, P.O. Box 1049, Johannesburg, Transvaal.

1906. Middleton, Brian McLaren, Messrs. Dymes and Co., Tutticorin, Madras Presidency, India.

1904. Middleton, Peter Charles, 29 Princess Road, South Norwood, London, S.E.

1906. Miles, Ernest George, General Electric Co., Witton, Birmingham.

1905. Millar, William Pettigrew, Messrs. William D. Hamilton and Co., 59 Bath Street, Glasgow.

1903. Miller, John, Engineer's Department, Messrs. A. Guinness, Son and Co., St. James' Gate Brewery, Dublin.

1903. Miller, William Thomas Ward, 348 Ranmoor Terrace, Fulwood Road, Sheffield.

1905. Millett, Charles Walter, Abbotsford, Seymour Road, Hampton Wick, Kingston-on-Thames.

1894. Mills, Arthur Edwin, 3 Mountstuart Square, Cardiff.

1903. Mills, Captain James Jesse, A.O.D., R.A. Mess, Rangoon, British Burma.

1899. Mills, Joseph Amos, Van Dyk Proprietary Mines, P.O. Box 115, Boksburg, Transvaal.

1897. Mills, Samuel James Augustus, Strawberry Bank, Blackburn.

1905. Mitchell, Edward Albert, Chief Engineer, National Electric Construction Co., 34 Victoria Street, Westminster, S.W.

1904. Mitchell, George Robert, Chief Engineer, Metropolitan Police (Thames Division), Metropolitan Police Station, High Street, Wapping, London, E.

1902. Mitchell, James, Engineer's Office, Tees Conservancy Commissioners, Middlesbrough.

1902. Mitchell, John, 100 Victoria Street, Westminster, S.W.

1896. Mitton, Thomas Evans, Messrs. Hunt and Mitton, Crown Brass Works, Oozells Street North, Birmingham. [*Mitton, Birmingham.* 394.]

1905. Moffat, William Glover, Chief Engineer, Belfast Ropeworks Co., Belfast; and 2 Ebrington Gardens, Upper Newtowndale Road, Belfast.

1891. Mogg, Henry Hodges, Newbridge Hill, near Bath.

1905. Moinet, John Vincent, Reading Electric Supply Co., Vastern Road, Reading.

1904. Molyneux, James, 26 Brunswick Street, Swansea.

1896. Moncrieff, Robert Wighton, Briar Hill House, near Northampton.

1903. Monkhouse, Frank Lionel, 118 Selborne Street, Princes Park, Liverpool.

1903. Monro, Captain John Duncan, R.E., Coombe Wood, Kingston-on-Thames.

1903. Montague, Graham, Messrs. Sisson and Co., Quay Street Iron Works, Gloucester.

1902. Montgomery, Charles Hubert, Carriage and Wagon Department Lancashire and Yorkshire Railway, Newton Heath, Manchester.

1906. Moody-Stuart, Alexander, Annat, Errol.

1900. Moore, George Edward, General Manager, Glasgow Electric Crane and Hoist Co., Parkhead, Glasgow.

1903. Moore, James Foster, Corporation of Sunderland, Electric Supply Station, Dunning Street, Sunderland.

1903. Moore, Noel Stephen, Bradshaw Colliery and Gannister Works, Penistone, Sheffield.

1902. Moore, Thomas Reade, 62 Lofthouse Place, Carlton Hill, Leeds.

1904. Moraes, Henry Francis, Caledonia Estate, Province Wellesley, Penang, Straits Settlements.

1903. Morgan, Douglas Howard, Felsted, Essex.

1903. Morgan, Edward George, Messrs. Kennan and Sons, 19 Fishamble Street Dublin.

1903. Morgan, Frederick John, Messrs. Morgan and Davies, 35 and 36 Wind Street, Swansea. [*Advance, Swansea.* 570.]

1906. Morgan, John, 59 Queen Street, Cardiff.

1904. Morris, Robert Henry, 8 Ezra Mansions, Government Place, Calcutta, India.

1898. Morris, William Joseph, Sheepbridge Iron Works, Chesterfield.

1900. Morton, John Henry, 2 Durocher Street, Montreal, Canada.

1902. Mowbray, Archibald Holme, Managing Director, Messrs. Smith and McLean, Mavisbank, Glasgow. [*Mavisbank, Glasgow.* 1507.]

1902. Mowbray, Frank Herbert, Orchestrelle Co., 1-2 Goldsmith Street Buildings, High Holborn, London, W.C.

1905. Moyle, Edward Charles, Victoria Technical School, Preston.

1902. Muggeridge, Harold Chisman, care of Messrs. King, Hamilton and Co., 7 Hare Street, Calcutta, India.

1905. Muir, Henry, Acting Government Marine Surveyor, Penang, Straits Settlements.

1899. Muirhead, David, Tolcarne, Hamilton Road, Reading.

1905. Munby, Ernest John, 149 Lupus Street, London, S.W. [*Snazelle, London.* 5568 Westminster.]

1906. Muncaster, Horace, Works Manager, Messrs. Mellowes and Co., Corporation Street, Sheffield.

1904. Munyard, Alfred Walford, Eastcombe Terrace, Blackheath, London, S.E.

1904. Murdoch, Alexander Gemmell, Manager, Messrs. Ralph Horsfield and Co., Bredbury, Stockport.

1902. Murphy, William, Messrs. F. Reddaway and Co., Pendleton, Manchester.

1905. Murray, George William, Messrs. George Gahagan and Co., 271 Bellasis Road, Byculla, Bombay, India.

1901. Murray, Peter Butchart, Messrs. James Carmichael and Co., Ward Foundry, Dundee.

1906. Nandi, Kali Charan, James Watt Engineering Laboratory, The University, Glasgow.

1904. Napier, Frederick Disney, Willesden District Council, Taylor's Lane Electricity Works, Willesden, London, N.W.

1907. Nasmith, John, British Westinghouse Co., Trafford Park, Manchester.

1901. Naylor, John Alfred, Messrs. Rosser and Russell, 22 Charing Cross, London, S.W. [*Lesorus, London.* Gerrard 5210.]

1903. Naylor, John Hardcastle, Royal Military Academy, Woolwich.

1903. Neachell, Edward John, Liverpool Overhead Railway Co., 31 James Street, Liverpool.

1902. Neal, Henry Andrews, St. Pancras Ironwork Co., Belle Isle, York Road, London, N.

1899. Neal, Robert Henry Bennett, Managing Director, Messrs. Neal Ltd., Bank Chambers, Princess Square, Plymouth. [*Output, Plymouth.* 594.]

1900. Neilson, Robert Morrison, Messrs. Richardsons, Westgarth and Co., Hartlepool Engine Works, Hartlepool.

1902. Nelson, Robert, Roslyn, Orchard Road, Middlesbrough.

1904. Nelson-Barrett, John Mathew, Messrs. John Fleming and Co., Delhi, India.

1904. Nesbitt, Edward Arthur, Messrs. Nesbitt and Cunliffe, Myron Place, Belmont Hill, Lewisham, London, S.E.

1899. Nettlefold, Godfrey, Messrs. Guest, Keen and Nettlefolds, 16 Broad Street, Birmingham. [*Nettlefolds, Birmingham.* 2086.]

1905. Newman, Arthur Dudley, Chief Engineer, Messrs. Fraser and Chalmers, P.O. Box 619, Johannesburg, Transvaal.

1906. Newman, Charles William Durie, Messrs. Buchan and Partners, 16 Rutland Square, Edinburgh.

1905. Newman, Kenneth Charles Horton, Hong Kong Electric Co., Hong Kong, China.

1905. Newman, William Boughton, Manager, Messrs. John Whitehead and Co., Albert Works, Syke Street, Preston.

1902. Newman, William Henry, Totteridge Park, Herts.

1904. Newton, Percy, 6 Goldsmith's Gardens, Acton, London, W.

1904. Newton, Rupert, Grays Road, Bishopton Lane, Stockton-on-Tees.

1903. Nicholas, David Curtis, 33 Avondale Street, Monks Road, Lincoln.

1906. Nicholl, Frederick Michell, The Nundydroog Co., Oorgaum, Mysore State, India.

1905. Nichols, Albert Edward, Borough Engineer and Surveyor, Folkestone.

1905. Nichols, Frederick Albert, Ammunition Factory, Dum Dum, near Calcutta, India.

1901. Nichols, Henry Francis, Manager, Messrs. James Hill and Sons, 16 and 18 Currie Street, Adelaide, South Australia.

1904. Nichols, Henry John, Messrs. Cloud and Nichols, Strand-on-the-Green, Chiswick, London, W.

1905. Nicholson, Edward, 39 Mayfield Road, Alexandra Park, Manchester.

1902. Nixon, Charles Basil, Lancashire Steam Motor Co., Leyland, Preston.

1905. Noot, William Williams, 19 Trafalgar Place, Brynmill, Swansea.

1903. Norman, George Frederick Alexander, Electrical Department, Government Railways, Maritzburg, Natal.

1894. North, Horace, 37 Prince's Avenue, Finchley, London, N.

1897. Norton, Arthur, 34 Fountain Road, Edgbaston, Birmingham.

1904. Norton, Henry James, Metropolitan Water Board's Testing Office, Rosoman Street, Clerkenwell, London, E.C.

1899. Norton, Samuel Joseph, 22 Bushnell Road, Balham, London, S.W.

1905. Nowell, Victor Ferdinand, Goosery Cotton Mills, Goosery, Calcutta, India.

1906. Nutter, Harold Norman, Messrs. William Aykroyd and Sons, Oakwood Dye Works, Bradford.

1906. Oakden, Roger Brooke, Public Works Department, Bloemfontein, Orange River Colony, South Africa.

1900. Ockenden, Maurice Albion, Jun., Messrs. Duke and Ockenden, 126 Southwark Street, London, S.E.

1902. O'Connell, John George, Lyndhurst, 26 Larches Lane, Tettenhall Road, Wolverhampton.

1904. Oliver, Arthur Richard, P.O. Box 438, La Junta, Colo., United States.

1906. Omant, Percy Luther, Works Manager, Messrs. W. R. Dell and Son, Reliance Works, Factory Lane, Croydon.

1905. O'Neil, Rodolph Stuart, Manager, Messrs. Harman and Co., Constantine Works, Stoke Newington, London, N.

1900. O'Reilly, Francis Joseph, Colombian State Railways, Giradot, Colombia, South America.

1902. Orr, Thomas Reginald James, Corporation Electricity Works, Summer Lane, Birmingham.

1901. Osborn, John Lee, 1 Queen Anne Buildings, 38 Baldwin Street, Bristol.

1899. Osburn, George Victor, P.O. Box 623, Edmonton, Alberta, Canada.

1901. Oughterson, George Henry, Ordnance Department, Messrs. Vickers, Sons and Maxim, Naval Construction Works, Barrow-in-Furness; and Manor Cottage, Manor Lane, Lee, Lewisham, London, S.E.

1902. Owston, William Henry, Messrs. James Simpson and Co., Newark.

1901. Page, Hugh Algernon, Newlyn, Lynmouth Road, Fortis Green, East Finchley, London, N.

1906. Page, John Harper, 53 Holly Lane, Erdington, Birmingham.

1901. Palmer, Alfred, Union Engineering Works, Union Lane, Sheffield.

1900. Palmer, Henry Boswell, Jun., P.O. Box 181, Boksburg, Transvaal: (or 13 St. Paul's Avenue, Willesden Green, London, N.W.).

1902. Palmer, William Duke, Baltic Chambers, 50 Wellington Street, Glasgow.

1902. Papworth, John Wyatt, Corporation Electricity Works, Kilmarnock.

1904. Paris, Henry Adolf, Mechanical Engineer's Department, London County Council, Spring Gardens, London, S.W.

1906. Parker, Edwin Thorley, Chief Engineer, Motor Bus Co., Shrubland Road, Dalston, London, N.E.

1900. Parker, Frederic George William, 28 Victoria Street, Westminster, S.W.

1902. Parker, Frederick Thomas, St. John del Rey Mines, Morro Velho, Minas Geraes, Brazil.

1906. Parkes, Howard Roderick, Messrs. Taylor Brothers and Co., Clarence Iron and Steel Works, Leeds.

1904. Parkin, Thomas, 1 Clifton Villas, Flag Meadow Walk, Worcester.

1902. Parkinson, Charles Frederick, Resident Engineer, Paisley Corporation Electricity Works, Blackhall, Paisley.

1900. Parkinson, Ernest, Canal Iron Works, Shipley, Yorks. [*Temples, Shipley. 4080.*]

1901. Parks, Walter Algernon, 25 and 26 Lime Street, London, E.C. [*Verissima, London. 2508 Avenue.*]

1901. Parr, George Dudley Aspinall, The University, Leeds.

1905. Parrott, Arthur George, Vaughan Pulley Co., West Gorton, Manchester.

1901. Parsonage, William Rawlett, Municipal Technical School, Suffolk Street, Birmingham.

1898. Parsons, Harry, Parsons Motor Co., Town Quay, Southampton. [*Motors, Southampton. 342.*]

1906. Parsons, Horace William, Patent Shaft and Axletree Co., Wednesbury.

1904. Parsons, Thomas George, Manager, New Rossleigh Cycle and Motor Co., Dundee.

1905. Pashby, Arthur Harold, Municipal Electrical Engineer, Town Offices, Aliwal North, Cape Colony.

1903. Pasquier, Arthur Edmund du, British Westinghouse Co., 102 St. Mary Street, Cardiff.

1901. Patchett, Joseph Henry, 22 Vignolia Terrace, Clayton, Bradford.

1896. Patel, Motibhai Bhikhabhai, Bhadran, near Borsad, India.

1896. Patel, Raajibhai Motibhai, Principal, Kala-Bhavan, Baroda, India.

1903. Paterson, Sydney, Managing Director, Messrs. Johnson and Phillips, Ltd., Charlton, S.O., Kent. [*Juno, Charlton, Kent. 75 Central.*]

1902. Paterson, William, Natural Soda Works, Bir-Hooker, Wady Natron, Egypt.

1902. Patey, Arthur Pettman, Resident Engineer, Houses of Parliament, Westminster, S.W.

1902. Payne, Frank Gervas, Municipal Electricity Works, Shanghai, China.

1905. Payne, Raymond, 62 London Wall, London, E.C.

1903. Pearson, Harry, Edensor, Turncroft Lane, Stockport.

1904. Pearson, Thomas William, Locomotive Superintendent and Works Manager, Alexandra (Newport and South Wales) Docks and Railway, Newport, Mon.

1901. Peckett, Arthur, Messrs. Umney and Peckett, 46 King William Street, London, E.C.

1906. Peet, Henry Charles, Messrs. Ashwell and Nesbit, Great Central Street, Leicester.

1906. Peirce, Harry Boyd, General Superintendent, Public Works Workshops, Mint Buildings, Madras, India.

1896. Pendred, Loughnan St. Lawrence, 33 Norfolk Street, Strand, London, W.C.

1901. Percy, Frank, Mining College, Wigan.

1901. Peregrine, William Henry, Rochdale Technical School, Rochdale; and Manchester Road, Bury, Lancashire.

1904. Perkins, Albert William, Messrs. Alfred Herbert, 24-26 Holborn, London, E.C.

1901. Perkins, William John, 17 Victoria Street, Westminster, S.W.

1902. Perry, Herbert Duncan Smith, 122 Cannon Street, London, E.C.

1905. Perry, Thomas William Weston, Engineer-in-Chief's Office, Public Works Department, Cape Town, Cape Colony.

1893. Pertwee, Herbert Arthur, Nelson Iron Works, Great Yarmouth. [*Pertwee, Great Yarmouth.* 0178.]

1899. Petter, Percival Waddams, Works Manager, Messrs. James B. Petter and Sons, Nautilus Works, Yeovil. [*Petter, Yeovil.*]

1902. Pettit, Arthur Edward, 8 Old Jewry, London, E.C.

1906. Pettit, Charles William, Works Manager, New River Reservoir Works, Hanworth, Middlesex.

1906. Pettit, Walter Richard, Ormonde House, High Road, Lee, London, S.E.

1906. Peyrecave, Gaston Rene de, Penrhôs, Chislehurst.

1902. Phelps, George Ingram de Brissac, Temple Courts, Temple Row, Birmingham.

1898. Phillipps, John, Cornubia House, Carlton Road, Nottingham.

1897. Phillips, Edwin Grant, Messrs. Jackson and Phillips, Conde de Aranda 1, bajo, Madrid, Spain.

1905. Phillips, Captain Frank Hugh, A.O.D., Inspector of Ordnance Machinery, H.M. Gunwharf, Chatham.

1904. Phillips, Walter Henry, Messrs. Truman, Hanbury, Buxton and Co., Black Eagle Brewery, Burton-on-Trent.

1899. Phillott, George Henry, 13 Promenade, Cheltenham.

1902. Philpot, Harold Percy, Engineering Laboratory, University College, Gower Street, London, W.C.

1903. Pickering, William Sellers, Messrs. Willey and Co., Exeter.

1905. Piercy, George Frederick, 53 and 54 Broad Street, Birmingham.

1902. Piesse, Frederick Thomas Roper, Messrs. F. and C. Piesse, Katanning, Western Australia.

1899. Pigott, Arthur, Madison Avenue, Cheadle Hulme, Stockport.

1906. Pimm, Arthur Watson, 34 Church Road, Harrington, S.O., Cumberland.

1901. Pinkney, Thomas Samuel, Church Field Lane, Radford, Nottingham.

1905. Piper, George Edmund, Civil Engineering Department, McGill University, Montreal, Canada.

1906. Pitcairn, Francis Bernard, Engineer, Water Works, Shanghai, China.

1906. Pitt, James Davies, Wolseley Tool and Motor Car Co., Adderley Park, Birmingham.

1902. Pittar, Albert Vyvyan, P.O. Box 5627, Johannesburg, Transvaal, South Africa.

1903. Plaister, William Edward, Messrs. Lloyd and Plaister, Motor Works, Station Road, Wood Green, London, N.

1900. Plant, David Thomas, Superintending Engineer's Office, H.M. Naval Establishment, Rosyth, Inverkeithing, Fifeshire.

1906. Plante, Stanley Gedge, Engineering Standards Committee, 28 Victoria Street, Westminster, S.W.

1897. Player, Ralph, Messrs. Joseph Wright and Co., 124 Victoria Street, Westminster, S.W.

1906. Pocock, Harold Francis, Engineer Lieut. R.N., Royal Naval Barracks, Chatham.

1903. Pocock, James Herbert, Messrs. Willans and Robinson, 144 St. Vincent Street, Glasgow. [*Throttle, Glasgow.* 4151.]

1904. Podesta, John James, Patent Axlebox and Foundry Co., Wednesfield Foundry, Wolverhampton.

1901. Pointon, John Edward, Messrs. Werner, Pfleiderer and Perkins, Westwood Works, Peterborough.

1905. Polden, Francis Charles, Electrical Engineer to the Rhodesia Railways, P.O. Box 420, Bulawayo, Rhodesia, South Africa.

1906. Pole-Wedlake, Reginald William, Sir W. G. Armstrong, Whitworth and Co., Openshaw, Manchester.

1896. Pollard, Ferdinand Joseph, P.O. Box 2485, Johannesburg, Transvaal.

1904. Pontifex, Beaumont, 56 Maldon Road, Acton, London, W.

1902. Poole, Richard, Crown Works, Guildford Street, Lambeth, London, S.E.

1905. Pope, Ashley Philip, Messrs. Johnson and Phillips, Victoria Works, Old Charlton, Kent.

1904. Porter, Edwin Charles Gilbert, Anglo-American Nile Steamer and Hotel Co., Nile Engine Works, Bulak, Cairo, Egypt.

1903. Porter, Eustace William, Tavy Villa, Blandford Road, St. Albans.

1905. Porter, Ralph Classon, University Power Station, Edgbaston, Birmingham.

1897. Porter, Stanley William, 32 Queen Victoria Street, London, E.C.

1904. Potter, George Ormsby, Locomotive Carriage and Wagon Superintendent, Demerara Railway, Georgetown, Demerara, British Guiana.

1905. Potter, Henry Samuel, 3 Heathfield Road, Bromley, Kent.

1903. Pover, George Alfred Franklin, Messrs. G. D. Peters and Co., Gotha Works, Slough; and 53 Hencroft Street, Slough.

1895. Powell, Benjamin Newton, Manager, Lidgerwood Manufacturing Co., Soerabaya, Java: (or care of C. T. Powell, Cherry Street, Birmingham.)

1903. Powell, Charles Skryne, British Westinghouse Electric and Manufacturing Co., 11 Pine Street, New York, United States.

1900. Powell, David Thomas, care of Sir Alexander B. W. Kennedy, 17 Victoria Street, Westminster, S.W.

1899. Powell, Ernest Brecon, Messrs. Whitehead and Co., Portland Harbour Torpedo Works, Weymouth.

1906. Powell, Llewellyn Henry, Manager, Les Forges et Fonderies de Maurice, Rose Belle, Mauritius.

1906. Powell, William Howard Hinton, Messrs. McKenzie and Holland, 18 Bank Buildings, St. Mary Street, Cardiff.

1903. Pownall, John Edmund, Borough of Hampstead Electricity Department, Lithos Road, Finchley Road, London, N.W.

1904. Pownall, Joseph Harold, 41 Brook Street, Macclesfield.

1899. Powrie, William Lyall, Messrs. Furnival and Co., 32 St. Bride Street, London, E.C.

1898. Prance, Cyril Rooke, c/o Rev. E. R. Prance, Maidwell Rectory, Northampton.

1906. Pratt, Harry Keay, Messrs. Bumsted and Chandler, Cannock Chase Foundry and Engine Works, Hednesford, Stafford.

1905. Preen, Arthur Harvey, 6 Fairfax Road, Swiss Cottage, London, N.W.

1901. Prestwich, John Alfred, 1 Lansdowne Road, Tottenham, London, N.

1902. Price, Albert Edward, Messrs. George Price, Cleveland Works, Wolverhampton. [*Safes, Wolverhampton.* 225.]

1900. Price, Rowland, Wellington Cordite Factory, Aruvankad, Nilgiris, India.

1899. Price, William Frederick, Callender's Cable and Construction Co., Fairclough Lane, Liverpool.

1904. Prideaux, Francis Greville, Engineer's Office, Great Southern and Western Railway, Inchicore, Dublin.

1904. Pritchard, Leonard Hanmer, Royal Mint, Bangkok, Siam.

1901. Pritchard, Roger Cromwell, 55 Highbury New Park, London, N.

1902. Pritchard, William Elias, Chief Electrical Engineer, Electricity Works, Port Dinorwic, R.S.O., Carnarvonshire.

1900. Prockter, George Harold, R.N.R., Cunard Steamship Co., Derby Road, Liverpool; and 25 Barrett Road, Birkdale, Southport.

1903. Procter, Charles Gilbert, Messrs. Thomas Potter and Sons, Putney Bridge Iron Works, Fulham, London, S.W.

1903. Prosser, Robert Walter Ostell, 108 South Hill Park, Hampstead, London N.W.

1903. Prüssmann, Carl Adolf Louis, Borough Electrical Engineer, Strand, Swansea.

1901. Pryor, Henry Allen, Messrs. Mewburn, Ellis and Pryor, 70 and 72 Chancery Lane, London, W.C. [*Patent, London.* Holborn 243.]

1899. Pugh, John Vernon, Guiting House, Allesley, Coventry.

1905. Pulsford, Frederick Charles, 269 Humberstone Road, Leicester.

1902. Pulvertaft, Robert George, Messrs. R. Pulvertaft and Sons, 119 and 120 George's Street, Cork. [384.]

1904. Purse, Frederick Walter, Electricity Department, Howley, Warrington.

1900. Purves, William Thompson, 47 York Place, Edinburgh. [1259.]

1901. Pye, Joseph Harger, Manager, Gas Works, Clevedon.

1906. Pye, Thomas Ebenezer, Engineer and Manager, City of Chichester Gas Co., Stockbridge Road, Chichester.

1905. Quelch, Arthur Temple, 66 Bromfelde Road, Clapham, London, S.W.

1905. Quick, Albert Hedley, Engineer's Department, London County Council, Spring Gardens, London, S.W.

1904. Quine, Frederic Carlyle, 36 Lime Street, Fenchurch Street, London, E.C.

1902. Radcliffe, Arthur Edward, Engineer, Horbury Urban District Council, Council Offices, Horbury, near Wakefield.

1906. Radcliffe, John James, Messrs. Thomas Robinson and Son, Railway Works, Rochdale.

1903. Rainer, Edward Allan, Messrs. E. R. and F. Turner, St. Peter's Iron Works, Ipswich.

1901. Rainforth, William Frederick, Messrs. D. Napier and Sons, Acton Vale Works, Acton, London, W.

1902. Ramsay, Andrew Cassels, Works Manager, Salt Works, Mex, Egypt.

1902. Rankin, Ernest Alfred, Somerville, Bourton, Dorset.

1905. Ransom, William, Midhurst, Bath Road, Worcester.

1906. Rappoport, Frederick Gerald, Russian Petroleum and Liquid Fuel Co., Baku, Russia.

1899. Rapson, Josiah Trevor, Wolseley Tool and Motor Car Co., Crayford Works, Crayford, S.O., Kent.

1901. Rasey, Alfred Ernest, Manager, Messrs. Mellowes and Co., Sheffield.

1905. Ratcliff, Wilfred, Chief Engineer, Messrs. Joseph Ratcliff and Sons, Birmingham.

1907. Rawson, Charles Henbury, Manager, Buohholtz Turbine Syndicate, Winchelsea Road, Harlesden, London, N.W.

1896. Rayner, Harry Stafford, Sir W. G. Armstrong, Whitworth and Co., Ashton Road, Openshaw, Manchester.

1902. Read, Charles Macartney, Managing Engineer, Cape Peninsula Lighting Co., Central Power Station, Claremont, Cape Colony.

1899. Read, George Henry, 39 Lambton Road, Wimbledon.

1904. Reay, Edward, Broxdale, Corbridge-on-Tyne.

1899. Redding, Walter, Ingfield, Jackson Avenue, Gledhow, Leeds.

1892. Redfern, Charles George, 4 South Street, Finsbury, London, E.C. [*Invention, London. Avenue 691.*]

1903. Redman, Sydney George, 15 Osborne Terrace, Gosforth, Newcastle-on-Tyne.

1906. Reeve, James, Messrs. Vickers, Sons and Maxim, 34 Victoria Street, Westminster, S.W.

1904. Reeve, Robert John Robey, Morgan Crucible Co., Battersea Works, London, S.W.

1903. Reeve, Walter, Finsbury Technical College, Leonard Street, City Road, London, E.C.

1906. Reid, Frederic, Assistant Locomotive Superintendent, Cape Government Railways, P.O. Box 742, Cape Town, Cape Colony.

1905. Reid, John Alexander, Chief Engineer, Cannon Brewery Co., St. John Street, Clerkenwell, London, E.C.

1902. Reid, John Wilson, Messrs. Aspinwall and Co., Cochin, Malabar Coast, India.

1904. Remington, Alfred Arnold, Wolseley Tool and Motor Car Co., Adderley Park, Birmingham.

1902. Rennie, John Assheton, Messrs. G. Rennie and Co., Greenwich Iron Shipbuilding Yard, Thames Street, Greenwich, London, S.E.

1903. Renwick, Robert, Surveyor and Water Engineer, Horsham Urban District Council, Horsham.

1903. Rew, Reginald John, 26 Mount Pleasant Road, Exeter.

1903. Rexworthy, Harold Sibree, East Ferry Road Engineering Works, Millwall, London, E.

1901. Reynolds, Alfred Milward, Messrs. John Reynolds and Sons, Newtown Row, Birmingham.

1904. Rheam, Norman, Engineer's Office, City and South London Railway, 195 Clapham Road, London, S.W.

1904. Rhodes, Charles Joseph, Messrs. J. Rhodes and Sons, Grove Iron Works, Wakefield. [*Rhodes, Wakefield.* 52.]

1906. Rhodes, Edgar, Manager, Romapac Tramway Construction Co., 35 Kirkstall Road, Leeds.

1906. Richardson, David, The Northern Polytechnic, Holloway Road, London, N.

1893. Richey, William Frederick Albert, Messrs. Chance Brothers and Co., Lighthouse Works, near Birmingham.

1904. Richmond, William Pearson, 25 Selborne Street, Prince's Road, Liverpool.

1895. Ridley, Clarence Oliver, Sir W. G. Armstrong, Whitworth and Co., 8 Great George Street, Westminster, S.W.

1892. Ridley, James Cartmell, Jun., Swalwell Steel Works, Newcastle-on-Tyne.

1896. Rieter, E. Henry, Corso Francia 28, Turin, Italy.

1904. Rigby, Thomas, Messrs. Crossley Brothers, Openshaw, Manchester.

1904. Ripley, Herbert, Messrs. D. Ripley and Sons, Airedale Pattern Works, Meadow Lane, Leeds; and 53 Mexborough Street, Leeds.

1902. Ritchie, Andrew Mackie, P.O. Box 3606, Johannesburg, Transvaal.

1904. Ritchie, John McAuslan, Atlas Engine Works, Indianapolis, Indiana, United States.

1905. Ritchie, Marriott Claude, 90 North Side, Wandsworth Common, London, S.W.

1901. Ritchie, Thomas Edward, Messrs. Royce, Ltd., Trafford Park, Manchester.

1901. Riviere, Philip Lyle, Messrs. Kennedy and Jenkin, 17 Victoria Street, Westminster, S.W.

1903. Rix, Gayford, Messrs. Siemens Bros. and Co., York Mansion, York Street, Westminster, S.W.

1906. Robarts, Herbert Priestley, Messrs. Yarrow and Co., Scotstoun, Glasgow.

1903. Robb, John, Chief Engineer, Messrs. Henry Bruce and Sons, Kinleith Paper Mills, Currie, R.S.O., Midlothian.

1903. Robb, William, L. C. C. School of Marine Engineering, High Street, Poplar, London, E.

1903. Roberts, Charles Drury, Locomotive Drawing Office, C.S.A. Railways, Pretoria, Transvaal, South Africa.

1893. Roberts, Charles Thomas, Champion Reef G. M. Co. of India, Mysore Province, India.

1905. Roberts, Henry James, Assistant Locomotive Superintendent, Port Talbot Railway and Docks Co., Port Talbot.

1903. Roberts, Joseph, Manager, Melbourne Tramway and Omnibus Co.'s Car Factory, 27 Scotchmer Street, North Fitzroy, Melbourne, Victoria.

1899. Roberts, Percy Roper, Sutton Hall, Woodbridge.

1903. Roberts, Trevor, Office of Superintendent of the Line, Great Western Railway, Paddington, London, W.

1904. Roberts, William Poulter, Venesta Metal Mill, Kamarhati, near Calcutta, India.

1903. Robertson, George Findlay, National Boiler Insurance Co., 22 St. Ann's Square, Manchester.

1906. Robertson, James Alexander, 80 Milton Street, Fleetwood.

1906. Robertson, James French, Messrs. Burn and Co., Howrah Iron Works, Howrah, Bengal, India.

1903. Robertson, John Murray, Messrs. J. M. Robertson and Co., Simla, India.

1906. Robertson, Rudolph Alexander, Thanai Tea Estate, Dikon P.O., Assam, India.

1906. Robertson, Walter Henry Antonio, Chief Engineer, Messrs. Elliott's Metal Co., Selly Oak Works, Birmingham.

1905. Robertson, William Dunlop, Engineer's Department, St. James's Gate Brewery, Dublin.

1904. Robey, Ernest William, Avebury House, Newhall Street, Birmingham.

1905. Robinson, Isaac Vincent, Messrs. A. R. Brown, McFarlane and Co., 34 West George Street, Glasgow.

1901. Robinson, Leonard Leslie, Borough Electrical Engineer, Hackney Electricity Works, Millfields Road, Clapton, London, N.E.

1901. Robinson, Sydney Greenwood, Messrs. F. L. Smith and Co., Palace Chambers, 9 Bridge Street, Westminster, S.W.

1903. Robinson, Thomas Henry, 3 Chander Hill, Chesterfield.

1906. Robson, George, Locomotive and Wagon Superintendent, Messrs. Guest, Keen and Nettlefolds, Dowlais.

1905. Robson, John Henderson, L.C.C. School of Marine Engineering, High Street, Poplar, London, E.

1904. Robus, George Henry, Mansion House Chambers, 20 Bucklersbury, London, E.C. [*Robustness, London.* 756 Bank.]

1901. Rock, James Parthenay, Recorders Ltd., 171 Queen Victoria Street, London, E.C.

1898. Rodda, Joseph Tonkin, Water Works Superintendent, 14 Seaside Road, Eastbourne.

1903. Roe, Harrison, Ropeways Ltd., Eldon Street House, South Place, London, E.C.

1900. Rofe, William, 8 Victoria Street, Westminster, S.W.

1904. Rogers, Ernest Henry, The Standard Gas Engine Co., Preston.

1904. Rogers, Ernest Norman Cooke, British Thomson-Houston Co., Rugby.

1897. Rogers, William Ivy, Merlin Cycle Co., Spon Street, Coventry.

1897. Rolf, George, Messrs. Ernest Scott and Mountain, Close Works, Newcastle-on-Tyne; and 8 Bentinck Crescent, Newcastle-on-Tyne.

1906. Roose, FitzRoy Owen Jonathan, 18 Vincent Square Mansions, Westminster, S.W.

1905. Roscoe, Edwin Borton, 160 Calle Saenz, Lomas de Zamora, Buenos Aires, Argentine Republic.

1903. Rose, Alexander, Manager, Messrs. Howarth Erskine, Ipoh, Perak, Straits Settlements.

1901. Rose, Sydney Durrant, Verona, Shepcote Road, Harrow.

1905. Rosenberg, Herbert Morris, Reno Inclined Elevator Co., 553-557 West 33rd Street, New York, United States.

1904. Rosenthal, Frederick Michael Barbanel, care of The Agent, H.H. Nizam's Guaranteed State Railway, Secunderabad, India.

1903. Roseveare, Leslie, City Engineer's Office, Council House, Birmingham.

1899. Rosevere, Gerald Rhodes, Austin Motor Co., Longbridge Works, Northfield, Birmingham.

1900. Rosevere, Reginald George, Locomotive Department, Midland Railway, Derby.

1895. Ross, Ernest Sydney, Chief Inspector of Machinery, Public Offices, Hobart, Tasmania.

1901. Ross, Frederick George, care of Post Office, Bombay, India.

1894. Rossiter, James Thomas, 4 Fauemberg Mansions, Sutton Court, Chiswick, London, W.

1904. Rossiter, William Morgan, Westminster Electric Supply Corporation, Davies Street Station, Mayfair, London, W.

1884. Roux, Paul Louis, 54 Boulevard du Temple, Paris.

1901. Rowe, Frank Lander, Manager, Edwards' Air Pump Syndicate, 3 and 5 Crown Court, Old Broad Street, London, E.C. [*Management, London. Avenue 152.*]

1899. Rowe, John, 1 Dean Villas, Camborne.

1905. Rowe, Patrick, 4 Pipe Road, Kidderpore, Calcutta, India.

1907. Rowland, John David, Messrs. Wright and Rowland, New Bond Street, Birmingham.

1905. Royds, Robert, Glasgow and West of Scotland Technical College, Glasgow.

1904. Rudd, Edward Whitten, Messrs. T. Coulthard and Co., 26 Page Street, Westminster, S.W. [5324 West.]

1901. Rudder, Frank Percy, 10 Madeley Street, Derby.

1906. Ruffle, Frank Felingham, care of Messrs. Ralli Brothers, Calcutta, India.

1902. Rush, Charles Henry Erskine, 74 Clovelly Mansions, Gray's Inn Road, London, W.C.

1906. Rushworth, David, Chief Mechanical Engineer, Fuel Economiser Department, Clay Cross Co., near Chesterfield.

1901. Rushworth, George William, Managing Director, Messrs. Rushworth Brothers, Crane Works, Colne; and 50 Brown Street, Colne.

1906. Rutty, Hugh Leslie, Messrs. H. L. Rutty and Co., Bassishaw House, Basinghall Street, London, E.C.

1904. Ryan, John, Potter and Johnston Machine Co., 54 Avenue de Neuilly, Neuilly-Paris, France.

1897. Rycroft, John Edward, Engineering Department, Technical College, Bradford.

1901. Saccaggio, Pietro Celestino, Estacion Los Talleres, Ferro Carril del Sud, Buenos Aires, Argentine Republic.

1894. Salis, Henry Rodolph de, Ivy Lodge, Iver Heath, near Uxbridge.

1903. Salter, John Ruffell, Atherton, Lancashire.

1904. Sandaljian, Bedros, Westinghouse Church Kerr Co., 10 Bridge Street, New York, United States.

1897. Sanders, George, Dinnington Main Coal Co., Dinnington, Rotherham.

1903. Sanders, George Ernest, P.O. Box 260, East London, Cape Colony.

1903. Sanderson, Herbert William, Messrs. Sanderson and Robinson, Mansfield.

1902. Sandford, John, 44 Waterloo Street, Birmingham. [*Opossum, Birmingham. 2525.*]

1906. Sankey, Bernard, Electricity Works, Whitehaven.

1903. Saunders, Albert Frank, Messrs. Saunders and Stuart, Melbourne Road, Perth, Western Australia.

1904. Sauvée, Leon Louis, Messrs. Albert Sauvée and Co., Union Works, 60 Park Street, Southwark, London, S.E. [*Sovez, London.* 2265 Hop.]

1906. Saye, Kenneth Noel, Electricity Works, Sutton, Surrey.

1905. Schiller, Frederick William, Messrs. Siemens Brothers and Co., York Mansion, York Street, Westminster, S.W.

1893. Schloesser, Robert, care of Max Gorler, Messrs. Brandeis, Goldschmidt and Co., 60 Queen Street, Melbourne, Victoria.

1903. Schmidt, Frederick Albert, c/o T. W. Barber, 82 Victoria Street, Westminster, S.W.

1906. Schoeberlein, Fritz, Director of Works Department, H.M. Dockyard, Chatham.

1904. Schofield, Samuel Dean, Resident Electrical and Tramways Engineer, Shipley Urban District Council, Electricity Works, Shipley.

1902. Schontheil, Theodore, Messrs. Haslam and Schontheil, Western Mail Chambers, Cardiff. [*Thor, Cardiff.* 606 P.O.]

1900. Schutte, Francis Albert, Otis Elevator Co., 4 Queen Victoria Street, London, E.C.

1906. Scorer, Arthur Bruce, Messrs. A. Leplastrier and Co., 64 Pitt Street, Sydney, New South Wales.

1905. Scott, Frederick William, 122 Cannon Street, London, E.C.

1902. Scott, Henry, care of Messrs. Scott and Brown, P.O. Box 495, Christchurch, New Zealand.

1897. Scott, Newton L., 18 Ironmonger Lane, Cheapside, London, E.C. [8036 Bank.]

1899. Scott, Robert, Manager, Windsorton Diamonds Co., Windsorton, Kimberley, South Africa.

1901. Scott, Thomas Laidlaw, 3 London Wall Buildings, London, E.C. [1133 London Wall.]

1906. Scott, William Angus, Caledonian Chambers, 102 St. Mary Street, Cardiff.

1905. Scott, Woolby Lockwood, Messrs. Ransomes, Sims and Jefferies, Orwell Works, Ipswich.

1900. Seabrook, Arthur Hugh, Engineer and Manager, Electricity Generating Station, Tucker Street, Canning Town, London, E.

1903. Seavill, Leonard Crowley, Messrs. Topping and Seavill, Rosario de Santa Fé, Argentine Republic.

1899. Secchi, Leopold, Sir W. G. Armstrong, Whitworth and Co., 8 Great George Street, Westminster, S.W.; and 14 Veronica Road, Balham, London, S.W.

1906. Seller, Edward, Messrs. William Cory and Son, Erith Slipway, Erith, S.O., Kent.

1903. Selz, Rudolph, Vauxhall and West Hydraulic Engineering Co., Luton.

1903. Semark, Charles Henry, Messrs. Semark and Hudson, Faversham Iron Works, Faversham.

1904. Settle, Joseph Risley, H.M. Dockyard, Gibraltar.

1906. Sewell, Herbert William, Cleveland and Durham County Electric Power Co., Hinton's Buildings, Middlesbrough.

1906. Seymour, Edwin Shirley, Messrs. W. T. Glover and Co., Trafford Park, Manchester.

1905. Seymour, Harold Walter, 31 Victoria Chambers, South Parade, Leeds.

1905. Seymour, John Henry, Locomotive Carriage and Wagon Superintendent, Government Railway Works, Kingston, Jamaica.

1892. Seymour, William Frederick Earl, Stoke House, Bishopstoke, Hants.

1904. Shackleton, Ernest, 101 Hollydale Road, Peckham, London, S.E.

1901. Shadwell, Lancelot Horace Augustus, Natal Government Harbour Department, Port Natal, South Africa.

1903. Shanan, Charles Henry, Municipal Electrical Engineer, Rockwood, Mussoorie, U.P., India; and Glen Hayes, Mussoorie, U.P., India.

1906. Sharp, William, Messrs. A. and J. Main and Co., Newcastle-on-Tyne.

1906. Sharpe, Gerald, Messrs. William Cory and Son, Erith Slipway, Erith, S.O., Kent.

1905. Sharpley, Reginald, Madras Railway, Madras, India.

1903. Sharr, Francis Joseph, Lingfield, Riggindale Road, Streatham, London, S.W.

1905. Shave, George James, Manager, Albany Manufacturing Co., Cumberland Park, Willesden Junction, London, N.W.

1905. Shaw, Cyril Morley, City Electrical Engineer, Corporation Electricity Works, Hylton Road, Worcester.

1901. Shaw, George, care of R. L. Caryl Roberts, The Manor House, Cleobury Mortimer, S.O., Salop.

1902. Shaw, John, 3 Ashford Street, Shelton, Stoke-on-Trent.

1905. Shaw, Thomas Raynor, 101 Athol Mount, Ovenden Road, Halifax.

1900. Shaw, William Campbell, 40 Heaton Road, Withington, Manchester.

1899. Sheffield, Frederick Gerard, Swiftbrook Mills, Saggart, Dublin.

1901. Sheffield, Thomas William, 3 Moxley Road, Higher Crumpsall, Manchester.

1892. Shepherd, James Horace, Great Western Railway, Wolverhampton; and Glenthorn, Albert Road, Wolverhampton.

1906. Shepherd, James Whaley, Chief Engineer, Carnatic Mills Co., Madras, India.

1902. Sheriff, John Edward, Messrs. Ferranti, Hollinwood, Lancs.

1904. Sherwin, John Wallis, 354 Main Street, Winnipeg, Canada.

1899. Shiba, Chuzaburo, Engineering College, Imperial University, Tokyo, Japan.

1903. Shiner, Albert Edward, Bleak House Engineering Works, 2 Holborn Buildings, Holborn Bars, London, E.C. [1751 Holborn.]

1897. Shirtliff, Frederick, Messrs. Burn and Co., Howrah, Bengal, India.

1904. Shoolbred, Andrew Reid, Messrs. G. J. Worssam and Son, Wenlock Road, City Road, London, N.

1905. Shorthouse, Benjamin, 304 High Holborn, London, W.C.

1906. Silberstein, Willy, care of Arthur Koppel, 27 Clement's Lane, London, E.C.

1906. Silby, Robert Passmore, Manager, Messrs. Howarth Erskine, Rangoon, Burma, India.

1905. Sillur, Alfred Richmond, Borough Electrical Engineer, Stanwell Street, Colchester.

1903. Simcock, Philip, care of Messrs. Shewan, Tomes and Co., Hong Kong, China.

1905. Simms, Charles Edward, Messrs. F. W. Baker, Stourbridge Carriage Works, Hagley Street, Stourbridge.

1906. Simper, William Alfred, Messrs. Blackstone and Co., 81 Cannon Street, London, E.C.

1900. Simpson, Donald Grafton, Trafalgar Works, Barbados, West Indies.

1900. Simpson, Lightly Stapleton, Great Eastern Railway, Stratford, London, E.

1901. Simpson, Norman De Lisle, Resident Engineer, Bowmanston Pumping Station, Water Works Department, Barbados, West Indies.

1898. Simpson, Stephen, Messrs. Willey and Co., James Street Works, Exeter ; and Tregear, Exeter.

1901. Simpson, Walter, 9 Boardman Street, Eccles, near Manchester.

1904. Singleton, William Alan, Messrs. Crossley Brothers, Openshaw, Manchester.

1902. Skinner, George, 19 Russell Street, Bolton.

1905. Slater, Ernest, Claremont, King Edward's Grove, Teddington.

1902. Smail, Charles George, African and International Flotilla and Transport Co., Chinde, British Central Africa.

1903. Smart, Lewis Anderson, Birkbeck Bank Chambers, Holborn, London, E.C. [Uncanny, London. 4982 Holborn.]

1901. Smeeton, John Alfred, Messrs. Richardsons, Westgarth and Co., 9 Gracechurch Street, London, E.C.

1901. Smith, Adam, 13 Duchy Street, Pendleton, Manchester.

1901. Smith, Alfred, Manager, Messrs. Daniel Smith and Co., Castle Iron Works Raglan Street, Wolverhampton. [Presses, Wolverhampton. 210.]

1905. Smith, Arthur Joel, Motor Plants, Ltd., 120-124 Alcester Road, Moseley Birmingham.

1904. Smith, Cades Alfred Middleton, King's College, Strand, London, W.C.

1902. Smith, Edward Turner, Assistant Locomotive Superintendent, Lagos Government Railway, Lagos, West Africa.

1904. Smith, Ernest Edward, Fairbanks Co., 80 City Road, London, E.C.

1903. Smith, Frederick George, Works Manager, Highland Railway, Inverness.

1900. Smith, Frederick Hardcastle, Messrs. Thomas Smith and Sons, Steam and Electric Crane Works, Old Foundry, Rodley, near Leeds. [Smith, Rodley. Stanningley 18.]

1899. Smith, Frederick Hugh, Babcock and Wileox Co., Oriel House, Farringdon Street, London, E.C.

1905. Smith, George Alfred, Ash Lodge, Watford.

1905. Smith, Harold, Messrs. Mather and Platt, Park Works, Park, near Manchester.

1905. Smith, Henry Joseph Trivess, Municipal Office, Calcutta, India.

1898. Smith, Herbert William, Works Manager, Messrs. Sydney Smith and Sons, Basford Brass Works, Nottingham; and Gordon Lodge, Easthorpe, Ruddington, Nottingham.

1906. Smith, Isaac Housby, The Lilleshall Co., Engineering Department, Oakengates, Salop.

1907. Smith, James, Wellman-Seaver-Morgan Co., 47 Victoria Street, Westminster, S.W.

1900. Smith, John Smart, Messrs. S. Pearson and Son, 10 Victoria Street, Westminster, S.W.

1903. Smith, Jonah Walker, Borough Engineer and Surveyor, Town Hall, Barrow-in-Furness.

1891. Smith, Joseph Philip Grace, 46 Uverdale Road, Chelsea, London, S.W.

1905. Smith, Louis William, Works Manager, Messrs. Richard Garrett and Sons, Leiston Works, Leiston, R.S.O., Suffolk.

1905. Smith, Matthew Sidney, Messrs. Welch, Perrin and Co., Queensbridge Street, South Melbourne, Victoria.

1900. Smith, Montague Howard, The Bourne Engineering Co., 75 Queen Victoria Street, London, E.C.

1905. Smith, Percy Harry Frost, Messrs. Thomas Tilling, Winchester House, Peckham, London, S.E.

1905. Smith, Ralph Vernon, Hickling Lodge, near Keyworth, Notts.

1904. Smith, Reginald Redhead, Adams Manufacturing Co., Elstow Road, Bedford.

1898. Smith, Thomas John, Cannon Street, Hanley, Staffordshire.

1905. Smith, Ulric Vivian, Bareilly, Beauchamp Avenue, Leamington.

1902. Smith, Walter Tom, Messrs. Thomas Smith and Sons, Steam and Electric Crane Works, Old Foundry, Rodley, near Leeds. [Smith, Rodley. Stanningley 18.]

1906. Smith, Warren Boden, Messrs. Warren Smith and Co., 66 College Street Chelsea, London, S.W.

1904. Smith, William Joseph, Midland Railway Carriage Department, Derby.

1901. Smyth, John McFall, Borough Electrical Engineer, Municipal Electricity Works, Keighley.

1904. Smyth, Robert Henry, care of J. D. Van Niekerk, Bedford, Cape Colony.

1901. Smyth, William Miller Campbell, British Luxfer Prism Syndicate, 16 Hill Street, Finsbury, London, E.C. [*Luxfer, London.* London Wall 90.]

1906. Smythe, Alan Theodore, Milford Lodge, Craven Arms, R.S.O., Salop.

1905. Snow, William Raeburn, Messrs. William Hosken and Co., P.O. Box 667, Johannesburg, Transvaal.

1904. Soames, Ernest Arthur, Fernleigh, Westcombe Park Road, Blackheath, London, S.E.

1906. Sokal, Siegmund, Messrs. Abel and Imray, Birkbeck Bank Chambers, Southampton Buildings, London, W.C.

1903. Somers, Richard Mousley, 37 Lyddon Terrace, Leeds.

1906. Somerville, Lindsay, Messrs. Churchill and Co., 9-15 Leonard Street, Finsbury, London, E.C.

1906. Somerville, Alfred, Paisley District Tramways Co., Paisley.

1903. Sopwith, John, London and India Docks Co., Engineer's Office, Victoria and Albert Docks, London, E.

1902. Soyres, Bernard de, 5 Buckingham Place, Clifton, Bristol.

1905. Speakman, Edward Murray, Parsons' Foreign Patents Co., Capel House, 62 New Broad Street, London, E.C.

1899. Speight, James William, The Elms, Lytham Road, St. Anne's-on-the-Sea, Lancs.

1901. Spencer, Arthur Lincolne Hitchcock, Manager, Messrs. W. H. Spencer and Co., Hitchin. [*Engine, Hitchin.* 5.]

1897. Spencer, Henry Wilmot, 3 Taybridge Road, Lavender Hill, London, S.W.

1899. Spencer, Perceval, 5 Albert Terrace, Old Trafford, Manchester.

1901. Spencer, William Edward Spencer Hitchcock, St. Margaret's, Hitchin.

1905. Spicer, Frederick Lemuel, British Thomson-Houston Co., Rugby.

1899. Spiller, Claude, 54 Hanover Road, Plumstead.

1905. Spinney, Reginald Dawes, Messrs. D. Napier and Son, Acton, London, W.

1904. Spring, Arthur Lawrence, City Engineer's Department, Town Hall, Hull.

1903. Sproule, George Huston Russell, Hotel Norman, Bree Street, Johannesburg, Transvaal.

1901. Sprunt, Herbert William, Engineer-in-Chief, South London Electric Supply Corporation, Bengeworth Road, Loughborough Junction, London, S.E.

1903. Spurr, Gilbert Richard, Tramways Engineer, Ilford Urban District Council, Tramways Depôt, Ley Street, Ilford.

1900. Squire, George Frederick, Mote Cottage, Warlingham, Surrey.

1903. Stanger, Reginald Harry Hursthous, Broadway Testing Works, Broadway, Westminster, S.W. [117 West.]

1901. Stanier, William Arthur, Locomotive Department, Great Western Railway, Swindon.

1904. Stanley, Harry Frank, Jun., Cliftonville, Kensington Avenue, Victoria Park, Manchester.

1906. Starkie, James Edmund, Borough Electrical Engineer, Electricity Supply Works, Burnley.

1898. Statham, Frederick Benjamin, 85 West George Street, Glasgow.

1900. Statham, Harry, Mimico, Ontario, Canada.

1902. Stedman, George Percy William, Works Manager, Railway Foundry and Engineering Works, Reading.

1907. Steed, Alfred William, H.M. Patent Office, 25 Southampton Buildings, Chancery Lane, London, W.C.

1904. Steedman, Henry Percy Gormanston, Managing Director, London Wax Vesta Co., The Point, Wandsworth, London, S.W.

1900. Steel, Thomas John, 365 Hither Green Lane, Catford, London, S.E.

1899. Steinmetz, Arthur Samler Bernard, 9 Woburn Road, Bedford.

1902. Stenning, Hugh Walter, Works Manager, Soudan Military Railways, Shendy, Soudan, Egypt.

1906. Stephens, Evan, Chief Engineer's Office, Bengal-Nagpur Railway, Garden Reach, Calcutta, India.

1901. Stephens, Hilliard, 39 Victoria Street, Westminster, S.W. [*Stahlwerk, London.*]

1900. Stephenson, Alfred, Red Beck, Valley Road, Shipley.

1899. Stevens, Edwin Charles, Messrs. Archibald Smith and Stevens, Janus Works, Queen's Road, Battersea, London, S.W. [*Hydraulics, London.* Battersea 115.]

1902. Stevenson, John, Superintending Engineer, Mazawattee Tea Co., Knuyle Street, New Cross, London, S.E.

1903. Stevenson, John Le Che, Messrs. Stewart and Lloyd, Coombs Wood Tube Works, Halesowen, Birmingham.

1903. Stewart, Charles, Carriage and Wagon Department, Great Northern Railway, Doncaster.

1902. Stirling, John Alexander Maxwell, Resident Engineer, Great Indian Peninsula Railway, Agra-Delhi Line, Agra, India.

1898. Stockton, Cecil, Messrs. Riley Stockton and Co., 13 Idol Lane, Eastcheap, London, E.C.

1892. Stokes, Frank Torrens, P.O. Box 1355, Johannesburg, Transvaal.

1901. Stokes, John Thomas, H.M. Office of Works, Storey's Gate, Westminster, S.W.; and Coningsby, Disraeli Road, Putney, London, S.W.

1904. Stonebridge, Arthur Watson, 20 College Road, Norwich.

1901. Stones, William Grimshaw, 10 Richmond Terrace, Blackburn. [171.]

1906. Storey, Clifford Barton, Engineer's Office, Table Bay Harbour Works, Cape Town, Cape Colony.

1904. Storie, George Bright, 129 Edmund Street West, Rochdale.

1905. Stotesbury, Richard Henry, Homeville, Stonehouse, Gloucestershire.

1904. Stove, Alfred Edwin, Messrs. Nunan and Stove, Hastings House, 10 Norfolk Street, Strand, London, W.C. [*Nunan, London.* 2896 Gerrard.]

1902. Stow, George, Southdown Road, Shoreham, Sussex.

1901. Strathern, Alexander George, Strathern's Weldless Chains, Gartsherrie, N.B.

1904. Stringer, Percy, Messrs. Tasker and Sons, Andover.

1907. Stringer, Robert, 7 Springfield Terrace, Lidget Green, Bradford.

1900. Strong, Alfred George, Messrs. H. O. Strong and Co., Norfolk Works, St. Paul's, Bristol. [*Omega, Bristol.* 289.]

1901. Stubbs, Herbert, Manual Instruction Department, Higher Grade School, Wolverhampton.

1904. Sturgeon, William Eustace, 32 Hollyshaw Lane, Whitkirk, Leeds.

1904. Sturrock, James Fleming, Messrs. Robertson and Orchar, Wallace Foundry, Dundee.

1897. Suffield, Frank Wilson, 57 Colmore Row, Birmingham. [*Steelwork, Birmingham.* 375 Y.]

1901. Summerfield, Richard Dunning, Elmhurst, Duffield, Derby.

1906. Sumner, George Geoffry, 122 Cottenham Street, C-on-M., Manchester.

1902. Sumner, Leonard, Broughton Copper Co., Manchester. [*Copper Co., Manchester.* 638.]

1903. Sunderland, Wallace, 2 Hovingham Avenue, Harehill Lane, Leeds.

1900. Sutcliffe, Edgar Rouse, Messrs. Sutcliffe, Speakman and Co., Leigh, Lancashire.

1905. Sutcliffe, Ingham, Locomotive Department, Great Southern and Western Railway, Inchicore, Dublin.

1904. Sutherland, Donald, Jun., Messrs. Hawthorns and Co., Leith Engine Works, Leith.

1896. Sutherland, James, Manager, Alumina Factory, Larne Harbour, County Antrim, Ireland. [*Aluminium, Larne Harbour.*]

1894. Sutton, Hugh Reginald, Messrs. Mackies, Berks Iron Works, Caversham Road, Reading. [*Mackies, Reading.* 86.]

1905. Sutton, Mark, 122A Rua Barão de Mesquita, Andaráhy Grande, Rio de Janeiro, Brazil.

1905. Swaffield, Norman, Mechanical Superintendent, Reading Electric Supply Co., Vastern Road, Reading.

1896. Swallow, John, Messrs. John Swallow and Co., St. Helens, Lancashire.

1902. Swan, Edward Montgomery, Messrs. Hunter and Swan, 1 James Street, Bute Docks, Cardiff.

1905. Swan, William Robert, Manager, Prye River Dock, Penang, Straits Settlements.

1904. Sweatman, Harry, Messrs. G. J. Worssam and Son, Wenlock Road, City Road, London, N.

1904. Swinchatt, Percival Hall, Government Industrial Arts School, Lucknow, India.

1905. Sykes, Fred, Technical College, Huddersfield.

1906. Symonds, Percival Herbert, British Westinghouse Co., Trafford Park, Manchester.

1905. Symons, Diogo Andrew, Messrs. Bailey-Denton, Lawford and Symons, Palace Chambers, 9 Bridge Street, Westminster, S.W.

1904. Symons, James Francis, Mechanical Engineering Department, London County Council, Spring Gardens, London, S.W.

1887. Tabor, Edward Henry, Rotherhithe Tunnel Works, Shadwell, London, E.

1893. Takatsuji, Narazo, care of Kanribu, Messrs. Mitsui and Co., Suruga-cho, Tokyo, Japan.

1905. Talbot, Ernest, Adams Manufacturing Co., Elstow Road, Bedford.

1893. Talbot, Frederick William, Brackley, Farnham.

1897. Talbot, William John, Talbot-Stead Tube Co., Birchills, Walsall.

1902. Tarver, Herbert Henry, Mechanical Engineer, Colombo Municipality, Colombo, Ceylon.

1905. Tasker, Edward Ernest, care of A. Alt, 49 Wellwood Road, Goodmayes, Ilford.

1902. Tatton, Albert Lightowler, Royal Arsenal, Woolwich; and 33 Beechhill Road, Eltham.

1899. Taverner, Herbert Lacy, 3 Owen Mansions, Queen's Club Gardens, West Kensington, London, W.

1903. Taylor, Alfred Bertram, Messrs. Bramwell and Harris, 5 Great George Street, Westminster, S.W.

1902. Taylor, Arthur, The Moyle, Pembury Road, Westcliff-on-Sea.

1897. Taylor, Arthur Joseph, 6 Apsley Crescent, Manningham, Bradford.

1905. Taylor, Charles Albert, 41 Sydney Street, Chelsea, London, S.W.

1906. Taylor, Charles Edward, 1 Essex Terrace, Cliff Town, Southend-on-Sea.

1900. Taylor, Charles Percy, Park House, Gravesend.

1902. Taylor, Dudley Foster, The Kynoch Forward Engineering Co., Holford Works, Perry Barr, Birmingham.

1902. Taylor, Frank Coston, Egyptian Government Railways, Cairo, Egypt.

1907. Taylor, Frederick, Corporation Tramways Department, Shifnall Street, Bolton.

1905. Taylor, George Stevenson, H.M. Inspector of Factories, Devon and Cornwall Bank Chambers, Bedford Street, Plymouth.

1905. Taylor, John Thomson, 22 Cornhill Terrace, Leith.

1901. Taylor, Tom, Manager, Messrs. C. Townsend, Hook and Co., Snodland, S.O., Kent; and Millbrook House, Snodland, S.O., Kent.

1905. Taylor, Wilfrid, Messrs. T. Stather and Co., 13 Lowgate, Hull. [Motors, Hull. 548.]

1902. Taylor, William Robert Cheetham, Woodfield, Parkfield Road, Failsworth, Manchester.

1904. Tennant, Alfred Marmaduke, Alexandria Water Works, Alexandria, Egypt.

1902. Tennant, James, Superintending Engineer, The British Insulated and Helsby Cables, Prescot, Lancashire.

1893. Tenney, Dennis, Messrs. Agar, Cross and Co., 124 Calle Defensa 136, Buenos Aires, Argentine Republic.

1899. Tester, William Andrews, Borough Electrical and Tramways Engineer, Corporation Electricity Works, Lancaster.

1901. Thom, Frank, Messrs. Yates and Thom, Canal Foundry, Blackburn.

1904. Thom, John, London Central Markets Cold Storage Co., 223 Central Markets, London, E.C.

1901. Thomas, Arthur Lloyd, Market Square Chambers, Pontypridd.

1903. Thomas, Evan Gibson, c/o R. J. Williams, Tan-y-bryn, College Square, Llanelli.

1906. Thomas, Frank, Chief Engineer, Buckingham Mill, Madras, India.

1906. Thomas, James Lloyd, 139 Lansdowne Road, Ilford.

1906. Thomas, Nevill Senior, The Priory, Penarth.

1902. Thompson, Arthur Beeby, 1 Leadenhall Buildings, London, E.C.

1902. Thompson, Edgar Wakelin, Manager, Boyd's Ice Factory, Kalikat Street, Bombay, India.

1901. Thompson, Frederick Wilberforce, Messrs. Howard T. Wright Bros., 72 Victoria Street, Westminster, S.W.; and 29 Chasefield Road, Tooting, London, S.W.

1897. Thompson, Herbert, 4A Lynn Street, Balham, London, S.W.

1906. Thompson, John Archibald, Melrose, Hampton Road, Teddington.

1902. Thompson, Stephen John, Ettingshall Boiler Works, Wolverhampton.

1896. Thompson, Thomas, 30 Lee Terrace, Blackheath, London, S.E.

1903. Thomson, Alfred Morris, Argyll Motors, Ltd., Argyll Works, Alexandria, Glasgow.

1901. Thomson, David Lockebie, 11 Buchanan Gardens, Mount Vernon, Glasgow.

1894. Thomson, Henry, Messrs. J. Frizzoni and Co., Allahabad, India.

1901. Thomson, James Cunningham, Shanghai Building and Investment Co., Shanghai, China.

1893. Thomson, James Watson, Robert Gordon's College, Aberdeen.

1904. Thorne, Henry Hubert, 7 Ford Street, Coventry.

1907. Thornton, Harry Hall, 122 Pembroke Road, Seven Kings, Ilford.

1899. Thornycroft, John Edward, Messrs. John I. Thornycroft and Co., Church Wharf, Chiswick, London, W. [Thornycroft, London. 7306.]

1901. Thorpe, Wilfred Bertram, Charing Cross and Strand Electricity Supply Corporation, 60 St. Martin's Lane, London, W.C.

1903. Thunder, Cyril Joseph, District Locomotive Superintendent, Great Western of Brazil Railway, Pernambuco, Brazil.

1906. Timmins, Ebenezer, Messrs. E. Timmins and Sons, Bridgewater Foundry, Runcorn; and Trinity House, Runcorn.

1902. Titren, Gerald Ernest de Keyser, Natal Government Railway Works, Durban, Natal.

1905. Toder, John, Union Bank Chambers, 68½ Pitt Street, Sydney, New South Wales.

1893. Tomes, William Jameson, District Locomotive Superintendent, East Indian Railway, Jamalpur, Bengal, India: (or care of Joshua Tomes, Croft House, Clacton-on-Sea.)

1905. Toms, Robert, Royal Albert Memorial College, Exeter.

1900. Townsend, William, Messrs. Joseph Baker and Sons, Willesden Junction, London, N.W.

1906. Trafford, Joseph Peter, Messrs. Ham, Baker and Co., Municipal Engineering Works, Langley Green, Worcestershire.

1903. Tregoning, Wynn Harold, St. Stephen's Club, Westminster, S.W.

1904. Trench, William Connell Power, 44 Headingley Road, Handsworth, Birmingham.

1906. Tresham, Lancelot David, 40 Hillfield Park, Muswell Hill, London, N.

1905. Tritton, William Ashbee, General Manager, Messrs. Wm. Foster and Co., Wellington Foundry, Firth Road, Lincoln.

1901. True, Robert Arthur, Works Manager, Messrs. Barford and Perkins, Queen Street Iron Works, Peterborough.

1902. Tubbs, William Edward, Bede Terrace West, Barnard Castle.

1906. Tulip, Wilfred, Hongkong and Whampoa Dock Co., Hong Kong, China.

1902. Tunley, Percy James, Messrs. Siemens Bros., 89 St. Mary's Street, Cardiff.

1905. Tunnicliffe, Walter George, 6 Lorn Maisonettes, Franciscan Road, Upper Tooting, London, S.W.

1905. Turnbull, Walter Alexander, 4 St. Nicholas Terrace, Hall Road, York.

1902. Turner, Douglas, 144 Cambridge Drive, Kelvinside, Glasgow.

1905. Turner, Ernest William, City Engineer's Office, Peterborough.

1905. Turner, Eustace Hooper, 4 Lloyds Avenue, Fenchurch Street, London, E.C. [Punitory, London. 6225 Avenue.]

1900. Turner, Frederick William, Messrs. E. R. and F. Turner, St. Peter's Iron Works, Ipswich. [*Gippeswyk, Ipswich.*]

1893. Turner, Henry Arthur, care of Arthur Koppel, 27 Clement's Lane, London, E.C.

1903. Turner, John Alexander, Manager, Gildenburgh Brick Co., Whittlesea, Peterborough. [*Bricks, Peterborough.* 24.]

1905. Turner, Vincent, Westminster City Hall, Charing Cross Road, London, W.C.

1900. Turner, William, Messrs. Davidson and Co., 37 Corporation Street, Manchester.

1904. Turner, William Wallace, Electrical Engineer's Department, New South Wales Government Railways, Sydney, New South Wales.

1902. Turpin, William Alfred, Works Manager, Messrs. Panhard and Levassor, Acton Vale, London, W.

1903. Tweedie, Kenneth Digby, Shanghai Nanking Railway, Shanghai, China.

1906. Tweedy, Alfred Carlyon, Locomotive Superintendent, Central South African Railways, P.O. Box 508, Bloemfontein, Orange River Colony, South Africa.

1906. Underwood, Albert Leopold, 3 and 5 Queen Street, Cheapside, London, E.C.

1901. Unwin, Maurice Everett, Messrs. John Brown and Co., Sheffield.

1902. Urié, James Barclay, 2 Burton Avenue, Withington, Manchester.

1898. Urquhart, Ridley James, 57 Barton Arcade, Manchester. [*Kinetic, Manchester.*]

1903. Usherwood, Thomas Scriven, St. Dunstan's College, Catford, London, S.E.

1905. Uttley, Edwin Abraham, Government Electrical Engineer, Bulawayo, Rhodesia, South Africa.

1906. Vallat, Henry Howard, 26 Stonor Road, West Kensington, London, W.

1900. Venning, Albert John, Engineer Lieut. R.N., St. Feock, Devoran, R.S.O., Cornwall.

1900. Venning, Thomas Arnold, Engineer Lieut. R.N., St. Feock, Devoran, R.S.O., Cornwall.

1892. Vezey, Albert Edward, 682 Rotherhithe Street, London, S.E.

1905. Vickers, Ernest John, 18 Archbold Terrace, Newcastle-on-Tyne.

1906. Viney, Horace, Messrs. H. Viney and Co., Strand Road, Preston.

1901. Visick, Charles, Works Manager, Messrs. W. Visick and Sons, Basset Works, Devoran, Cornwall.

1906. Waddy, Albert Wilfred, Sturtevant Engineering Co., 147 Queen Victoria Street, London, E.C.

1902. Wade, Francis Richard, 95 Colmore Row, Birmingham.

1904. Wadham, Robert, Messrs. Calvert and Co., 42 Wasagatan, Stockholm, Sweden.

1906. Wainwright, Walter Hepburn, 3 Lilyville Road, Munster Park, Fulham, London, S.W.

1901. Walford, Frederick, Behar School of Engineering, Bankipur, India.

1901. Walkem, George Alexander, Flack Block, Vancouver, British Columbia.

1901. Walker, Alfred, Municipal Technical Institute, Romford Road, West Ham, London, E.

1904. Walker, Arthur, Messrs. Burrell and Co., Burrell's Wharf, Millwall, London, E.

1903. Walker, Arthur Ernest, Messrs. Walker Brothers, 36 Basinghall Street, London, E.C.

1901. Walker, Robert Hugh, Manager, Neuchatel Asphalte Co., Travers, Neuchatel, Switzerland.

1904. Walker, Thomas, Churchend, Twyning, Tewkesbury.

1899. Walker, William Peto, Vacuum Brake Co., 32 Queen Victoria Street, London, E.C.

1905. Wall, Charles, 23 Friern Road, East Dulwich, London, S.E.

1904. Wallace, Cecil Percy, care of Messrs. John Birch and Co., 3 London Wall Buildings, London, E.C.

1901. Walsh, Thomas, 33 Glen Eldon Road, St. Anne's-on-Sea, R.S.O., Lancashire.

1903. Walton, Denys, The Patent Office, 25 Southampton Buildings, London, W.C.

1907. Walton, William Raynes, Messrs. Miller and Wilson, 19 Brazenose Street, Manchester.

1905. Wans, Oswald, Messrs. John I. Thornycroft and Co., Church Wharf, Chiswick, London, W.

1905. Warbrook, Frederick George, Messrs. Massey and Co., Napier Works, Madras, India.

1904. Ward, Augustine Melliar, San Rafael Paper Co., Calle San Agustin 15, Mexico City, Mexico.

1897. Ward, John Cecil, 52 Queen Victoria Street, London, E.C. [*Allentare, London. Bank 657.*]

1900. Ward, Joseph Philip, Meyer and Charlton G. M. Co., P.O. Box 1127, Johannesburg, Transvaal.

1901. Wardle, Frank Harold, Electricity Department, Nottingham Corporation, Talbot Street, Nottingham.

1888. Waring, Henry, Engineer, Dublin Laundry Co., Milltown, near Dublin.

1903. Warner, Harold Metford, 51 Victoria Street, Montreal, Canada.

1903. Warner, James Sutherland, Glen Deep, Disraeli Road, Forest Gate, London, E.

1892. Warton, Richard George Frank, Kopje Post Office, Salisbury, Rhodesia, South Africa: (or care of C. H. Gardiner, 24 Grosvenor Terrace, York.)

1902. Warwick, Walter, care of Walter Warwick, Sen., 9 Pool Street, Bolton.

1895. Wasdell, Abel, Superintendent, Water Works, Allahabad, India.

1904. Watson, Allan Griffiths, Cape Government Railways, Locomotive Drawing Office, Uitenhage, Cape Colony.

1903. Watson, George William, 82 Worting Road, Basingstoke.

1902. Watson, Herbert Edward, "The Statesman," 3 Chowringhee, Calcutta, India.

1902. Watson, John Craig, Mass. Inst. of Technology, Box 5, 491 Boylston Street, Boston, United States.

1900. Watson, Richard, Charing Cross and Strand Electricity Supply Corporation, 85 Commercial Road, Lambeth, London, S.E.

1906. Watters, Thomas Charles, Court Street, Newtownards.

1906. Watts, Herbert Willie, Resident Engineer, Electricity Works, Thames Street, Weybridge.

1904. Watts, William John Thomas, Messrs. Thomas Broadbent and Sons, Central Ironworks, Huddersfield.

1898. Waugh, Hylton Norman Drake, Locomotive Department, London Brighton and South Coast Railway, Horsham.

1902. Wayte, James Benjamin, Messrs. Wayte Brothers, 12 Lemon Street, Dublin. [1187.]

1901. Weaver, Henry James, Lipton Chambers, Northgate, Gloucester.

1901. Webb, John Frederick, 20 Louvaine Road, St. John's Hill, Clapham Junction, London, S.W.

1904. Webster, Arthur Guy, Sunbury, Westbourne Road, Sheffield.

1906. Webster, Frank Thornton, Messrs. Thomas Firth and Sons, Norfolk Works, Sheffield.

1906. Wedekind, Julius Edward, 2 Monivea Road, Beckenham.

1900. Wellington, John Morecraft, 13 Albion Road, Clapham, London, S.W.

1904. Wells, Edward Nelson, 6 Dartmouth Park Avenue, Highgate Road, London, N.W.

1903. Wells, Joseph Malcolm, London Hydraulic Power Co., Palace Chambers, 9 Bridge Street, Westminster, S.W.

1893. Wells, Sidney Herbert, Principal, Battersea Polytechnic Institute, Battersea, London, S.W.

1899. West, Haarlem Ethneen, El Oro Mining Co., El Oro, Estado de Mexico, Mexico.

1902. West, William Pownoll, Mina Demetrio, Alcaracejos, Provincia de Cordoba, Spain.

1905. Westacott, Percy, Messrs. Robert H. B. Neal, West Street, Bedminster, Bristol.

1902. Western, Hugh (*Life Associate Member*), Egyptian State Railway, Cairo, Egypt.

1903. Westley, Charles Barnard, Messrs. Brazil, Holborow and Straker, Motor Works, Causeway, Fishponds, Bristol.

1899. Weston, George Cambridge, Kensington and Knightsbridge Electric Lighting Co., Albert Vaults, Prince Consort Road, South Kensington, London, S.W.

1906. Weston, Robert Ogilvy, Chief Mechanical Engineer, Globe and Phoenix Gold Mining Co., Sebakwe, S. Rhodesia, South Africa.

1902. Weston, William Newton, 26 Acton Lane, Harlesden, London, N.W.

1902. Wetherell, Raymond Edward Cordeux, Engineer's Department, London County Council, Spring Gardens, London, S.W.; and 149 Elmhurst Mansions, Clapham, London, S.W.

1899. Wheeler, Oswald, Polam Road, Darlington.

1902. Whichello, Richard Edward, Messrs. Martin and Co., 6 and 7 Clive Street, Calcutta, India.

1900. White, Daniel Hubert, Mount Pleasant House, Newburgh-on-Tay, Fifeshire.

1904. White, Thomas Hyler, 2 Canterbury Road, West Croydon.

1906. White, Walter Edwin, Messrs. S. Pearson and Son, 10 Victoria Street, Westminster, S.W.

1904. White, William Arthur, Fabrica del Gas, Casilla 18, Callao, Peru.

1899. Whitehead, James Peter, Messrs. Whitehead, Sumner, Harker and Co., 196 Deansgate, Manchester.

1892. Whitehead, Richard David, Municipal Technical College, Green Hill, Derby.

1899. Whitehouse, Alfred, 7 Prospect Road, Moseley, Birmingham.

1904. Whitehouse, George Henry, Messrs. G. H. Whitehouse and Co., Great Bridge Engineering Works, Tipton.

1907. Whiteley, Henry Stanley, Messrs. William Whiteley and Sons, Prospect Iron Works, Lockwood, Huddersfield.

1903. Widdicombe, Robert Alexander, Kroeschell Brothers Co., 55 Erie Street, Chicago, Ill., United States; and 1651 Roscoe Street, Chicago, Ill., United States.

1903. Widdowson, Ernest Leedham, Lightcliffe, near Halifax.

1898. Wigglesworth, Frank, Messrs. Frank Wigglesworth and Co., Clutch Works, Moss Street, Bradford.

1903. Wigram, Walter Gott, Messrs. John Fowler and Co., Steam Plough Works, Leeds.

1903. Wilding, James Armstrong, Messrs. J. A. Wilding and Co., 3 Wilson Street, Drury Lane, London, W.C. [*Effacing, London.* 4633 Gerrard.]

1903. Wilkinson, Frank, Engineer's Department, Town Hall, Rochdale.

1904. Wilkinson, William Henry, Messrs. J. B. Edlington and Co., Phoenix Iron Works, Gainsborough.

1904. Willans, Charles Turner, Baku Russian Petroleum Co., Baku, Russia.

1903. Willcocks, John, Dial Foundry, Buckfastleigh, R.S.O., Devon. [*Willcocks, Buckfastleigh.*]

1905. Williams, Albert Edward, Messrs. J. T. Williams and Sons, South Bermondsey Station, London, S.E.

1892. Williams, Arthur Edward, Winchester House, Old Broad Street, London, E.C.

1904. Williams, Charles, Resident Engineer, Water Works Pumping Station, Blagdon, near Bristol.

1900. Williams, Charles Edward, Inspection Department, Crown Agents for the Colonies, Whitehall Gardens, London, S.W.

1902. Williams, Charles John, 8 Grosvenor Road, Handsworth, Birmingham.

1904. Williams, Daniel, 12 Blackburne Street, Liverpool.

1901. Williams, David Thomas, Technical and Commercial Corporation, P.O. Box 3003, Johannesburg, Transvaal.

1904. Williams, Edward John, Royal Gunpowder Factory, Waltham Abbey, S.O., Essex.

1903. Williams, Ernest Thomas, 4 Naval Terrace, Sheerness.

1905. Williams, George Bransby, 5 Kensington Mansions, Earl's Court, London, S.W.

1899. Williams, John Ellacott, Linacre, 37 Burgoyne Road, Harringay, London, N.

1903. Williams, John Robert, Tramway Power Station, Kelham Island, Sheffield.

1904. Williams, Norman Claringbould, Messrs. Belliss and Moreom, Ledsam Street, Birmingham.

1904. Williams, Vernon Ingram Norbury, Sir W. G. Armstrong, Whitworth and Co., Ashton Road, Openshaw, Manchester.

1900. Williams, Walter Doel, Barry Transporter and Engineering Co., 15 Great George Street, Westminster, S.W.; and Bridge House, Beddington Corner, Mitcham Junction, Surrey.

1899. Williamson, Edward, Messrs. Manlove, Alliott and Co., 41-42 Parliament Street, Westminster, S.W. [*Manloves, London.* 3405 Gerrard.]

1902. Willis, George, Messrs. Willis and Son, High Street, Eton, Windsor; and 'Nhlazatje, Montem Road, Slough. [*Willis, Eton, Windsor.* 3 Windsor.]

1904. Willis, George Oswald Bell, Messrs. Cammell, Laird and Co., Cyclops Steel and Iron Works, Sheffield.

1905. Willmer, Ernest Edward, Chief Engineer, Darragh Spinning Mills Co., Quilon, Travancore, Southern India.

1904. Willshear, Edward, 158 Claremont Road, Forest Gate, London, E.

1903. Willsteed, Charles Wesley, R.N., H.M.S. "Indus," Devonport.

1903. Wilson, Charles Augustus, 217 Randolph Terrace, Crow Road, Partick, Glasgow.

1898. Wilson, Daniel Ellis, P.O. Box 1417, Calgary, Alberta, Canada.

1903. Wilson, Frank, Messrs. Mosers, 178 Borough High Street, London, S.E.

1905. Wilson, John, Higham Ferrers and Rushden Water Works, Sywell Reservoir, Ecton, Northampton.

1898. Wilson, John Charles, Messrs. Guest and Chrimes, Rotherham; and Foston House, Doncaster Road, Rotherham.

1902. Wilson, Leonard Herbert, Public Works Department, Government Buildings, Pretoria, Transvaal.

1903. Wilson, Orin Salathial, International Harvester Co., 7 Monroe Street, Chicago, Ill., United States.

1901. Wilson, Richard Dawes, 2 Ennerdale Road, Kew Gardens, Surrey.

1903. Wilson, Robert James, Works Manager, Mica Boiler Covering Co., Ditton Road, Widnes.

1905. Wilson, Robert Wood, Messrs. Fullerton, Hodgart and Barclay, Vulcan Works, Paisley.

1906. Wilson, Thomas Dania, c/o George Dania, 110 Cannon Street, London, E.C.

1904. Wilson, William Buxton, Superintending Engineer, Penang Sugar Estates Co., Penang, Straits Settlements.

1906. Wilton, Leslie Edwards, Messrs. Davis, Bennett and Co., 94A Horseferry Road, Westminster, S.W.

1906. Winckworth, Trevor Edward, Haddington Motor Works, Haddington Road, Dublin.

1903. Windsor, Arthur Whalesby, Motor Department, London General Omnibus Co., Cricklewood, London, N.W.

1902. Winebloom, Albert Victor, 7 Bishopsgate Street Without, London, E.C.

1904. Wiswall, John William, Engineer's Office, Bridgewater Department, Manchester Ship Canal Co., Runcorn.

1907. Withers, John, 58 Westgate, Mansfield.

1902. Wolff, Charles, Locomotive and Machine Co. of Montreal, Bridge Shop, Montreal, Canada.

1903. Wolstenholme, Walter, Messrs. John Musgrave and Sons, 8 New Club Buildings, Main Street, Johannesburg, Transvaal.

1900. Wood, Charles, Keremeos, British Columbia.

1905. Wood, Frederick George, Consolidated Pneumatic Tool Co., Wheeler's Buildings, Hornby Road, Bombay, India.

1905. Wood, Harry Herbert Elliott, Electricity Works, Townmead Road, Fulham, London, S.W.

1903. Wood, Samuel, 320 Albert Road, Sheffield.

1905. Wood, Wilfred Pimm, Wolseley Tool and Motor Car Co., York Street, Westminster, S.W.

1904. Wood, William John Harvey, Station Superintendent, Bolton Corporation Electricity Works, Bolton.

1901. Woodger, Peter Bisset, 8 Gorsebank Road, Liverpool.

1905. Woodhouse, Noel, 20 North John Street, Liverpool.

1900. Woodhouse, William Bradley, Yorkshire Electric Power Co., Thornhill Dewsbury.

1903. Woods, Harry, 140 Church Road, Portsmouth.

1904. Woodward, Augustus, 22 Romilly Road, Cardiff.

1903. Wornum, John Ruskin, Otto Trechmann Ltd., Cement Works, Hartlepool.

1897. Worsley, Philip John, Jun., Messrs. Nettlefolds, Smethwick, Birmingham.

1895. Wort, Walter Edward, Torrington, Baldock Road, Letchworth, Herts.

1900. Wright, Ernest, The Willows, Harlesden, London, N.W.

1901. Wright, Frank, 19 St. Charles Square, North Kensington, London, W.

1905. Wright, Frank, 65 Drury Buildings, 21 Water Street, Liverpool.

1906. Wright, Frank Claude, East Rand Proprietary Mines, P.O. Box 72 East Rand, Johannesburg, Transvaal.

1903. Wright, George Alfred, General Manager, Mn. My. Totok, Celebes, Dutch East Indies.

1889. Wright, Howard Theophilus, 72 Victoria Street, Westminster, S.W.

1900. Wright, Isaac Henry, 13 St. John's Terrace, Queen Victoria Road, Coventry.

1900. Wright, Richard Oliver, Henley's Telegraph Works, Gravesend.

1905. Wright, Thomas George, 3 Purton Road, Bristol.

1898. Wrinch, Hugh Edward Hart, Engineer's Office, Chelsea Water Works, Surbiton.

1904. Wunderlich, Adolph, Cuyahoga, Mayfield Road, Sanderstead, Surrey.

1906. Wyatt, Arthur James Hervey, Chief Engineer, Morris Aiming Tube and Ammunition Co., 17 Charing Cross Road, London, W.C.

1901. Yardley, William Henry, Messrs. Princeps and Co., Princeps Works, Matilda Street, Sheffield.

1904. Yates, Alfred Tufnell, 44 Manor Road, Rugby.

1903. Yates, Donald Russell Martin, Messrs. Forbes, Forbes, Campbell and Co., Bombay, India.

1899. Yeames, James Lamb, Messrs. Workman, Yeames and Co., Ravenhill Avenue, Belfast.

1906. Youatt, Claude Septimus, Messrs. Mather and Platt, Salford Iron Works, Manchester.

1903. Young, George Albert, Thames Iron Works, Shipbuilding and Engineering Co., Canning Town, London, E.

1906. Young, Henry William, Witney, Oxfordshire.

1900. Young, Henry Wilson, 12 Camomile Street, London, E.C.

1901. Young, Horatio Edwin, Manager, Messrs. Laing Bridge, Paradise Works, Accrington; and 28 Richmond Hill Street, Accrington.

1899. Young, William, Engineer, London County Asylum, Sutton, Surrey.

ASSOCIATES.

[A. I. Mech. E.]

1900. Allen, Clarence Edgar, Gwydir Chambers, 104 High Holborn, London, W.C.

1880. Allen, William Edgar, Imperial Steel Works, Tinsley, Sheffield.

1889. Barr, John, The Glenfield Engineering Works, Kilmarnock.

1898. Beanland, Fred, Messrs. Beanland, Perkin and Co., Leeds; and Bega, Harrogate.

1886. Bennison, William Clyburn, Messrs. Samuel Osborn and Co., Clyde Steel and Iron Works, Sheffield; and 12 Mayfield Road, Kersal, Manchester.

1892. Bowman, Frederic Hungerford, D.Sc., F.R.S.E., 4 Albert Square, Manchester.

1888. Brown, Harold, Messrs. Linklater, Hackwood, Addison and Brown, 2 Bond Court, Walbrook, London, E.C.

1902. Chandabhoy, Shapoorjee Nusserwanjee, Apollo Street, Fort, Bombay, India.

1888. Chrimes, Charles Edward, Messrs. Guest and Chrimes, Brass Works, Rotherham.

1890. Chubb, Richard, Messrs. Joseph Chadwick and Son, 5 Rumford Place, Liverpool.

1892. Davis, George Brown, Westminster Sanitary Works, Horseferry Road, Westminster, S.W.

1895. Docker, Frank Dudley, Messrs. Docker Brothers, Birmingham Varnish Works, Icknield Port Road, Birmingham [*Japan, Birmingham. 3522.*]; and The Gables, Kenilworth.

1899. Douglas, Loudon McQueen, Douglas Wharf, Putney, London, S.W. [*Ibidem, London. 242 Battersea.*]

1898. Dowlen, Walton Edward, Nevada Goldfields Reduction Co., Columbia, Nevada, United States.

1900. Feather, Robert, Craven Bank Chambers, Bradford.

1891. Foster, George, Hecla Foundry Steel Works, Sheffield; and Regis Villa, Hall Road, Rotherham.

1889. Golby, Frederick William, 36 Chancery Lane, London, W.C.

1900. Goodrich, Walter Francis, Messrs. Meldrum Brothers, 66 Victoria Street, Westminster, S.W.

1902. Grierson, Henry Forster, York House, Norfolk Street, Strand, London, W.C.

1906. Harrison, Sir Frederick, General Manager, London and North Western Railway, Euston Station, London, N.W.

1887. Hind, Enoch, Edgar Rise, Nottingham.

1891. Jackman, Joseph, Persberg Steel Works, Attercliffe Common, Sheffield. [*Persberg, Sheffield.* 94.]

1884. Jackson, Edward, General Manager, Midland Railway-Carriage and Wagon Works, Birmingham. [*Wagon, Birmingham.*]

1897. James, Albert Alfred, St. George's Works, Paradise Street, West Bromwich. [*James, Wireworks, West Bromwich.* 5014.]

1896. Kennan, Williams Thomas, Messrs. Kennan and Sons, Fishamble Street, Dublin. [*Kennans, Dublin.*]

1896. King, Benjamin Thomas, 165 Queen Victoria Street, London, E.C. [*Geologic, London.* 682 Central.]

1898. Leechman, George Douglas, 1 Crown Office Row, Temple, London, E.C.

1896. Lemkes, Carl Rudolf Lewin, Messrs. Schäffer and Budenberg, 5 Wellington Street, Glasgow. [*Injector, Glasgow.* Royal 3119.]

1900. Leonard, Robert Maynard, Chamber of Commerce Building, 3 Oxford Court, Cannon Street, London, E.C. [*Lenoxfoot, London.* 9255 London Wall.]

1895. MacBrayne, Laurence, 11 Park Circus Place, Glasgow.

1886. Mackenzie, Keith Ronald, Vectis, Bembridge, Isle of Wight.

1898. Marshall, Percival, 26-29 Poppins Court, Fleet Street, London, E.C.

1868. Matthews, Thomas Bright, Messrs. Turton Brothers and Matthews, Phoenix Steel Works, Sheffield. [*Matthews, Sheffield.*]

1901. Mayhew, Lt.-Colonel Mark James, Bolingbroke House, Battersea, London, S.W.

1889. McKinnel, William, Messrs. Samuel Osborn and Co., Clyde Steel and Iron Works, Sheffield.

1901. Mecredy, James, 75 Queen Victoria Street, London, E.C.

1890. Meggitt, Samuel Newton, Messrs. Ibbotson Brothers and Co., Globe Steel Works, Sheffield.

1898. Meintjes, Laurens Schmitz, African Farms Ltd., Setlagoli, via Maribogo Station, Bechuanaland.

1902. Noyes, Edward, 109 Pitt Street, Sydney, New South Wales.

1900. Page, Davidge, 17 Surrey Street, Strand, London, W.C.

1874. Paget, Berkeley, Low Moor Iron Office, 2 Laurence Pountney Hill, Cannon Street, London, E.C. [*Gryphon, London.*]

1886. Peacock, William J. P., Wells Street, Oxford Street, London, W.; and 41 St. James' Street, London, S.W.

1888. Peake, Robert Cecil, Cumberland House, Redbourn, near St. Albans.

1887. Peech, Henry, Phoenix Bessemer Steel Works, near Sheffield; and 49 Victoria Street, Westminster, S.W.

1887. Peech, William Henry, Phoenix Bessemer Steel Works, near Sheffield; and Fernbank, Roehampton Park, London, S.W.

1884. Phillips, Richard Morgan (*Life Associate*), care of J. Griffin, 6 Algiers Road, Ladywell, London, S.E.

1891. Plant, George, Moseley Road School, Birmingham.

1897. Prior, James D., Eagle Range and Foundry Co., Catherine Street, Aston, Birmingham [*Ranges, Birmingham.* 2558.]; and Penlee, Chantry Road, Moseley, Birmingham.

1892. Reed, Ernest Charles, Raamsdonk, Holland.

1891. Rowcliffe, William Charles, 1 Bedford Row, London, W.C.

1899. Sachs, Edwin Otho, 7 Waterloo Place, Pall Mall, London, S.W.

1900. Salomons, Sir David Lionel Goldsmid-Stern, Bart., Broomhill, Tunbridge Wells; and 49 Grosvenor Street, London, W.

1887. Scott, Walter, Victoria Chambers, Grainger Street West, Newcastle-on-Tyne. [*Contractor, Newcastle-on-Tyne.*]

1893. Simpson, Edward Percy, Messrs. Simpson and Co., 101 Grosvenor Road, Pimlico, London, S.W.

1891. Spencer, Francois Henry, 25 Campden Hill Court, London, W.

1897. Starley, William, 14 St. Pauls Road, Coventry.

1892. Stead, John Edward, F.R.S., 11 Queen's Terrace, Middlesbrough. [*Stead, Middlesbrough.*]

1896. Taylor, Joseph Henry, 9 and 11 Fenchurch Avenue, London, E.C. [*Tyne, London. Avenue 4108.*]

1887. Tozer, Edward Sanderson, Phoenix Bessemer Steel Works, near Sheffield.

1893. Wadham, Arthur, Wardrobe Chambers, 146A Queen Victoria Street, London, E.C. [*Wadham, London.*]

1897. Wallach, Lewis Charles, Royal London House, Finsbury Square, London, E.C.

1898. Warner, Ashby William, Norton, Stockton-on-Tees.

1899. Waterlow, David Sydney, M.P., 38 Cornwall Gardens, London, S.W.

1883. Williamson, Robert S., Cannock and Rugeley Collieries, Hednesford, near Stafford.

1891. Wiseman, Edmund, Messrs. Edmund Wiseman and Co., Silver Street, Luton; and Uplands, London Road, Luton. [*Wiseman, Luton.*]

1897. Wood, William Alfred, Messrs. Wood and Newland, 42 Spring Gardens, Manchester. [*Certificate, Manchester.*]

1899. Young, John Drummond, Managing Director, Scottish Boiler Insurance Co., 111 Union Street, Glasgow. [*Inspector, Glasgow.* 1271.]

GRADUATES.

[G. I. Mech. E.]

1905. Abbott, Alfred, Bombay Burma Trading Corporation, Rangoon, British Burma, India.

1903. Adam, Benjamin, Jun., Hull Joint Dock Committee, Engineer's Office, Dock Office, Hull.

1885. Addis, Frederick Henry, care of Messrs. Grindlay Groom and Co., Bombay, India.

1906. Aitken, Arthur James, Messrs. Richard Moreland and Son, 80 Goswell Road, London, E.C.

1903. Aldridge, Lionel Shuttlewood, District Electric Co., 39-40 Berry Street, Wolverhampton.

1905. Alexander, Harold Montague, Messrs. Samuel J. White, East Cowes, S.O., Isle of Wight.

1905. Algar, Stanley Curtis, The Ferns, High Road, Willesden, London, N.W.

1906. Allison, Walter Edward, Holmhurst, Sutton, Surrey.

1904. Amy, Philip Alfred, Patier, St. Saviour's, Jersey.

1905. Andreadis, Angel Isidore, Messrs. Duncan Stewart and Co., London Road Iron Works, Glasgow.

1903. Aston, Reginald Godfrey, Kilworthy, Poole.

1904. Atkins, Arthur Henry, Messrs. William Heap and Co., 2 Seaton Buildings, 17 Water Street, Liverpool.

1905. Atkinson, John Tom, 15 York Terrace, North Shields.

1902. Atkinson, Reginald Charles, 19 Adolphus Road, Finsbury Park, London, N.

1904. Aykroyd, John Kenneth, Durlston, Corfton Road, Ealing, London, W.

1902. Bacon, Ernest Leslie, The Garage, Worcester Road, Malvern Link.

1907. Bailey, David Edward, Messrs. Johnson and Phillips, Victoria Road, Old Charlton, Kent.

1902. Baker, Edward, Kilnhurst Steel Works, Kilnhurst, Rotherham.

1906. Ball, William Francis, Herrington, Torquay.

1905. Banerji, Rabindra Nath, care of Messrs. Thomas Cook and Son, Buchanan Street, Glasgow.

1905. Barlow, Thomas Morgan, Albert Road, Wellington, Salop.

1906. Barnard, Alfred George, School of Practical Engineering, Crystal Palace, Sydenham, London, S.E.

1906. Barnes, John Egerton, Hampstead Electricity Works, Lithos Road, Finchley Road, London, N.W.

1901. Barnwell, Elliott Arthur, 10 Nicosia Road, Wandsworth Common, London, S.W.

1906. Barrington, Thomas Barwell, 11 New Broadway, Ealing, London, W.

1901. Barrs, Edward, Forest Hall, Newcastle-on-Tyne.

1902. Barry, Lawrence Cater, The Firs, Partlands Avenue, Ryde.

1904. Basta, Habeeb, Sohag, Egypt.

1903. Bates, Herbert Henry, 4 Cheltenham Terrace, Heaton, Newcastle-on-Tyne.

1905. Bathe, Cecil David Dalrymple, Locomotive Works, London and North Western Railway, Crewe.

1905. Beatson, Archibald Meade, Motor Plants, Ltd., 120-124 Alcester Road, Moseley, Birmingham.

1901. Beckett, Joseph Edge, Tapton House, Sheffield.

1906. Bell, John, Municipal Technical College, Bradford.

1884. Bell, Robert Arthur, 106 Worple Road, Wimbledon.

1906. Bellamy, Charles Glynn Hughes, Messrs. Merryweather and Sons, 49 Greenwich Road, London, S.E.

1902. Bennett, Francis Edgar, Messrs. Bennett, Sons and Shears, 167 Kingsland Road, London, N.E.

1902. Bennett, Henry Benjamin, 8 Winton Avenue, Rathgar, Dublin.

1901. Bennett-Powell, Percival Gordon, Porth-y-Glo, Upper Boat, Pontypridd.

1906. Beven, Guy Nugent, 65 Burngreave Road, Pitsmoor, Sheffield.

1906. Bishop, Reginald, 15 Barlby Road, Ladbroke Grove, London, W.

1903. Blackmore, William Robert, Avenida Balderas No. 5, Mexico D.F., Mexico.

1906. Blann, Sidney, Messrs. John I. Thornycroft and Co., Motor Vehicle Department, Hogarth Lane, Chiswick, London, W.

1904. Bloomfield, Charles William, Maison Noquet, Faubourg St. Quentin, Maubeuge, France.

1905. Bolton, Edward John, Lightoaks, Oakamoor, Staffs.

1902. Boult, Eric Francis, 29 Strathblaine Road, Wandsworth, London, S.W.

1901. Bowman, Harold Edelsten, Messrs. Stevenson and Co., Canal Foundry, Preston.

1904. Boycott, Thomas Archibald, 257 Charles Road, Small Heath, Birmingham.

1903. Brand, William Deane, Messrs. John Mowlem and Co., Victoria Station Improvements, London, S.W.

1906. Bremner, Allan James, University College, Gower Street, London, W.C.

1887. Bremner, Bruce Laing, Assistant Locomotive Superintendent, Uganda Railway, Mombasa: (or care of Mrs. Bremner, Streatham, Canaan Lane, Edinburgh.)

1905. Bressey, Sydney Francis, Locomotive Department, North London Railway, Bow Road Works, London, E.

1902. Brewster, Harold John, Brantham House, Fonnereau Road, Ipswich.

1906. Bridge, William James, Ferndale, 7 Heathville Road, Crouch Hill, London, N.

1904. Briggs, Richard John Percival, St. Nicholas Vicarage, Rochester.

1904. Brockley, Carl Wilton, Bank House, Cape Hill, Smethwick, Birmingham.

1900. Broughton, Harold, West Lea, Montefiore Road, Hove, Brighton.

1905. Brückmann, Otto James, Dronley, Woodside Park Road, North Finchley, London, N.

1902. Brunton, John Evelyn Cardet, Messrs. George Brunton and Son, Cochin, Malabar Coast, India.

1905. Buckton, Ernest James, Engineer's Office, West India Docks, London, E.

1903. Bulkeley, George Vicary Owen, care of F. W. Horne, 36 Kawaguchi, Osaka, Japan.

1901. Bulleid, Oliver Vaughan Pugh, Locomotive Department, Great Northern Railway, Doncaster.

1903. Burdock, Arthur, Milford, Godalming.

1903. Burge, Rodon Ludford, Caversham House, 18 Milton Road, Swindon.

1906. Burr, Edmund Godfrey, Terlings, 14 Orleans Road, Hornsey Rise, London, N.

1901. Burton, Charles Kingsley, Dock Engineer's Office, North Eastern Railway, West Hartlepool.

1904. Bussey, Lionel Ernest, 65 Sandmere Road, Clapham, London, S.W.

1906. Butler, Stanley Gordon, Guernsey Lodge, St. James' Road, Surbiton.

1905. Butterworth, Joseph, 26 East View, Bury Road, Rochdale.

1907. Cannon, Alfred Edward, Pollard Villa, Maswell Park, Hounslow.

1906. Cape, Ashby, 7 Glengyle Terrace, Edinburgh.

1903. Carr-Gomm, Mark Culling, 2 Buckingham Palace Gardens, London, S.W.

1902. Carrick, Joseph Ernest Cecil, N.E. Railway, Hydraulic Dept., Tyne Dock, South Shields.

1904. Carter, Ernest, 109 Woodville Road, Thornton Heath, Surrey.

1890. Carthew-Wright, William, Dulce Domum, School Street, Charters Towers, Queensland.

1905. Cartwright, Aubrey Charles Matthews, Netherton, Cambridge Road, Bromley, Kent.

1905. Cassels, Frank Lionell, 43 Florida, Buenos Aires, Argentine Republic.
1906. Castle, Arthur Spencer, Westgate, Grantham.
1891. Caswell, Charles Henry, 75 Mount Pleasant, Barrow-in-Furness.
1902. Chatfield, Kyre Rudston, Public Works Department, Port Sudan, Egypt.
1903. Cheeseman, Alfred Bryson East, 109 Gordon Road, Strood, Rochester.
1905. Chenhall, Stanley Sanders, Dart Villas, Totnes.
1906. Chivell, William Richard, School of Practical Engineering, Crystal Palace, London, S.E.
1905. Church, Herbert John, St. Lambert, Montreal, Canada.
1906. Cladingbowl, George Augustine, c/o Mrs. Clarke, 33 St. Michael's Road, Aldershot.
1906. Clarke, Russell Balfour, c/o W. B. Clarke, Saracen's Head Buildings, Snow Hill, London, E.C.
1906. Cleland, John, c/o W. V. V. Lidgerwood, Caxton House, Westminster, S.W.
1905. Clench, Edward Claude Shakespeare, Aster Ltd., 4 Princes Street, Hanover Square, London, W.
1902. Clifford, Arthur Campbell, 6 Cranley Gardens, South Kensington, London, S.W.
1903. Cobbald, Thomas Ernest, Messrs. Cobbald Bros., Claydon, Ipswich.
1905. Cole, Thomas Stephenson, 17 Mattock Lane, Ealing, London, W.
1904. Colley, Robert William, 28 Alexandra Road, Bedford.
1892. Collingridge, Harvey, Messrs. S. Pearson and Son, Blackwall Tunnel Works, East Greenwich, London, S.E.; and 55 Hornsey Rise Gardens, Crouch End, London, N.
1906. Collitt, Sydney, c/o A. Lythall, Maschinen Agentur, Neubrandenburgh, Germany.
1889. Cook, George Norcliffe, Austral Chambers, 99 Queen Street, Melbourne, Victoria.
1906. Cooper, Albert George Warner Inerd, Messrs. Butterfield and Swire, Hong Kong, China.
1904. Cotesworth, Cuthbert Gilfillan, B. B. and C. I. Railway, Parel, Bombay, India.
1906. Covil, Robert Percy, Messrs. E. H. Bentall and Co., Heybridge, Maldon.
1906. Cowie, John Robert, 49 Gleneagles Cottages, Scotstoun, Glasgow.
1905. Craig, George, Messrs. Howarth Erskine, Ipoh, Perak, Straits Settlements.
1905. Cranswick, Charles Tennyson, Jetinga Valley Tea Co., Larsingah, Udarbund P.O., Cachar, India.
1905. Cranwell, Harry, Lomas, Higham Road, Woodford Green, Woodford, London, N.E.
1906. Croft, Cyril Murton, Messrs. H. E. Jones and Son, 142-3 Palace Chambers, Bridge Street, Westminster, S.W.

1905. Cronk, Norman Tylee, 26 Redcliffe Square, South Kensington, London, S.W.
1905. Crouch, Henry, Whitehall, Aylesbury.
1905. Cruse, George Henry Irons, Dowson Economic Gas and Power Co., Basingstoke.
1907. Cully, William Frederick, 39 Devonshire Road, Greenwich, London, S.E.
1906. Curtis, Vladimir, Messrs. Robey and Co., Globe Iron Works, Lincoln.
1903. Cutler, George Benjamin, Jun., 23 Craigerne Road, Blackheath, London, S.E.

1905. Dallow, Walker Horton, 5 Elm Grove Road, Ealing, London, W.
1905. Davies, John Ernest, 8 Harold Road, Edgbaston, Birmingham.
1905. Davies, Victor Charles, 26 Melmoth Place, Walham Green, London, S.W.
1903. Davis, Frank, Twyford, S.O., Berkshire.
1901. Davson, Cyril Were, Inshewan, Forfar.
1884. Dixon, John, 111 Warton Street, Lytham.
1906. Donnithorne, Vyvyan Henry, 76 Queen's Gate, South Kensington, London, S.W.
1899. Drayton, Theophilus James Bradley, 70 Alexandra Road, Upper Norwood, London, S.E.
1903. Duff, Philip John, Messrs. Vickers Sons and Maxim, Naval Construction Works, Barrow-in-Furness.
1891. Duncan, Martin Gordon, Lexden, 63 Elmfield Road, Upper Tooting, London, S.W.
1903. Dunell, Basil, 33 Spencer Road, Chiswick, London, W.

1905. Eden, Cecil Harold, Beaufort House, West Cliff Road, Bournemouth.
1905. Edmonds, Harold Montagu, Station Road, Sandiacre, Nottingham.
1905. Edwards, Cecil Cleeve, Pension Fortet, Schönlein Strasse 2, Zürich, Switzerland.
1906. Elborne, Edward Mitchell, Algoa House, Sherwood, Nottingham.
1904. Ellington, Noel Bayzand, 44 Bridge Street Row, Chester.
1905. Elmslie, Alfred Beauchamp, 113 Drakefield Road, Balham, London, S.W.
1904. Engert, Fredrick Percy, Penrose, Sandycombe Road, St. Margarets, London, S.W.
1904. Engholm, Frank Goldie, 18 Clapham Mansions, West Side, Clapham Common, London, S.W.
1903. Evans, Cyril Austin, c/o C. A. Chamberlin, Kelburne, Haputale, Ceylon.
1904. Everington, Charles Gordon, 60 Bexley Road, Erith, S.O., Kent.

1900. Falconer, Edward Alaric, 151 Adelaide Road, Hampstead, London, N.W.

1903. Farlow, Charles Fitzroy, Messrs. H. Lygoe and Son, 33 Marchmont Street, Russell Square, London, W.C.

1904. Feeny, Cyril Joseph, 60 Queen Victoria Street, London, E.C.

1905. Felton, George John, Paget, Harrow View, Wealdstone, S.O., Middlesex.

1903. Ferrier, Samuel Key, Fulford Croft, York.

1906. Field, Eustace Reginald Wilkins, 18 Hartwood Road, Southport.

1902. Fife, Frank Gordon, 16 Manor House Road, Jesmond, Newcastle-on-Tyne.

1906. Fish, John Blair, Messrs. Jessop and Co., Calcutta, India.

1904. Fitzgerald, William Alfred, Lynwood, Hampton Wick, Middlesex.

1905. Fitzherbert, George French Windeatt, 6 Cintra Park, Upper Norwood, London, S.E.

1906. Flanagan, John Henry Woulfe, 21 Tedworth Square, Chelsea, London, S.W.

1904. Fletcher, Donald Corbet, Locomotive Department, Great Northern Railway, King's Cross, London, N.

1905. Florey, James William, Park Cottage, Obelisk Road, Woolston, Southampton.

1904. Foote, Thomas Dickson, Gambles House, Antigua, West Indies.

1906. Forbes, Arthur, Yukon Motor and Engineering Works, Balham, London, S.W.

1906. Foster, Harold Pearson, City Tramways, Permanent Way Engineer's Office, Wellington Bridge Depôt, Leeds.

1905. Frank, Reginald Alexander, High Hall, Kirby Moorside, S.O., Yorks.

1902. Frankau, George Neuberg, 9 Lancaster Road, Hampstead, London, N.W.

1904. Fraser, Stafford Robert Charles, Elmfield, Crowstone Road, Westcliff-on-Sea.

1906. Fraser, Thomas Charles, 4 Denehurst Gardens, Acton Hill, London, W.

1906. Friend, Ernest John, 27 Park Parade, Harlesden, London, N.W.

1906. Fry, Francis Edward, 13 St. Mary's Road, Willesden, London, N.W.

1903. Fry, William Ellerton Ryan, Locomotive Department, Cape Government Railways, Salt River, near Cape Town, Cape Colony.

1904. Fyffe, Andrew Morton, Corporation Gas Works, Dundee.

1905. Gamble, Stuart Arthur, Midland Railway Locomotive Works, Kentish Town, London, N.W.

1906. Gibb, Norman, North Eastern Railway, Heaton Carriage and Wagon Works, Newcastle-on-Tyne.

1903. Gibbons, Norman Barrington, Motive Power Offices, Canadian Pacific Railway, Montreal, Canada.

1904. Gimson, Harold, Messrs. Gimson and Co., Engine Works, Vulcan Road, Leicester.

1906. Gordon, Hamilton, 2 Clement's Inn, Strand, London, W.C.

1906. Gordon, Vivian, 14 Pall Mall, London, S.W.

1905. Gravely, Frank Vernon, 45 Gower Street, London, W.C.

1903. Graves, Lionel Percival, 16 St. James's Place, London, S.W.

1906. Green, Charles William Tandy, 2 Palace Road, Upper Norwood, London, S.E.

1906. Green, Ernest William, 56 Coldra Road, Newport, Mon.

1906. Greenway, Noel Wilson, Engineering Society, The University, Birmingham.

1901. Greenwood, Frederick George, 32 Russell Square, London, W.C.

1902. Gregory, Herbert George, Wood Dene, Leatherhead.

1906. Griffiths, Royston Swire, 9 Skerton Road, Old Trafford, Manchester.

1903. Griggs, John William, Chelsea Electricity Supply Co., Alpha Place Chelsea, London, S.W.

1906. Gritton, Stanley Evan, Talfourd Cottage, Reigate.

1906. Groves, Clarence Edgar, Messrs. J. and B. Groves, Lawson Street, Great Dover Street, London, S.E.

1904. Gullick, Harry Douglas, The Banks, St. Peter's, Broadstairs.

1906. Guy, Henry Lewis, Trevithin, Park Road, Penarth.

1906. Haan, Peter de, Messrs. Ruston, Proctor and Co., Sheaf Iron Works, Lincoln.

1903. Haggard, Percy Lester, Onega Lodge, Bath.

1905. Haile, Walter Henry, Oakfield, Peckham Rye, London, S.E.

1904. Hamilton, Henry Edward Redmond, Essex House, Barnes, London, S.W.

1905. Hanford, Rupert, Messrs. Jonah Banks and Sons, London Works, Willenhall, near Wolverhampton.

1906. Hardinge, Henry Malcolm, care of Commercial Bank of India, Rangoon, Burma, India.

1903. Harliss, William Lewis, 54 Spilsby Road, Boston.

1902. Harman, Frederick Berkeley Bruce, 35 Connaught Road, Willesden, London, N.W.

1904. Harris, Albert Edward, Messrs. Thomas Robinson and Son, 59 Mark Lane, London, E.C.

1904. Harris, Henry Lionel, Messrs. Bramwell and Harris, 5 Great George Street, Westminster, S.W.

1904. Harris, John Edward, Messrs. John Summers and Sons, Hawarden Bridge Iron Works, near Chester.

1904. Harrow, Thomas William, The Mill House, Portmadoc.

1906. Hart-Davis, Hugh Vaughan, The Ridge Field, Caversham, Reading.

1904. Haswell, John Frederick, Messrs. Hughes and Lancaster, Acrefair, Ruabon.

1902. Hatfield, Kenneth George Stacy, Messrs. W. M. Strachan and Co., Yokohama, Japan.

1903. Hawkins, Eustace Fellowes, Marlburia, Montreux, Switzerland.

1906. Head, George Burges Digby, Messrs. Marshall, Sons and Co., Britannia Iron Works, Gainsborough.

1903. Headley, Hallowell, Crown Agents Office, Whitehall Gardens, London, S.W.

1902. Heard, Frederick George, 43 Granville Road, Stroud Green, London, N.

1905. Hearn, Ernest William, Borough Surveyor's Office, Tamworth.

1904. Heathcote, Edgar Horace, Brookside, Henbury, Macclesfield.

1905. Hebden, George Brentnall, 104 Amyand Park Road, Twickenham.

1907. Heppell, Sidney Kirkness, c/o W. J. Heppell, Cwmaman Co., Cwmaman Collieries, Aberdare.

1902. Hess, Adolphus Charles, Messrs. J. G. White and Co., 22A College Hill, London, E.C.

1906. Heynssens, Joseph, 12 Rue Haut Port, Gand, Belgium.

1903. Hilditch, George Walls, Home Park, Uxbridge Road, Kingston-on-Thames.

1906. Hill, Frederick Arthur, 35 Devonshire Road, Greenwich, London, S.E.

1905. Hillhouse, John Paton, St. Valerie, Calthorpe Road, Edgbaston, Birmingham.

1904. Hodgson, Harold Cecil, Mansion House Chambers, 20 Bucklersbury, London, E.C.

1903. Hodgson, Herbert Edward, 71 Leighton Road, West Ealing, London, W.

1891. Hodgson, William James, Messrs. Hodgson and Hodgson, Central Chemical Works, Nottingham.

1906. Hodson, Fred, School of Practical Engineering, Crystal Palace, Sydenham, London, S.E.

1903. Hodson, Reginald Cecil, care of William Hodson, 7 Finsbury Square, London, E.C.

1887. Hogg, William, Messrs. Gates and Hogg, Barmborough, Doncaster.

1905. Hollingsworth, Frederick, Hyères, St. Augustine's Road, Southsea, Portsmouth.

1905. Holloway, Frank Herbert, 19 Cedars Road, Clapham Common, London, S.W.

1903. Holthouse, Charles Srafton, 9 The Terrace, Greenhithe, S.O., Kent.

1905. Homan, Arthur Knox, Great Southern and Western Railway Works, Inchicore, near Dublin.

1889. Hosgood, Thomas Watkin, 9 Eaton Crescent, Swansea.

1904. Hour, Robert, Messrs. Albert Sauvée and Co., Union Works, 60 Park Street, Southwark, London, S.E.

1889. Howard, Geoffrey, Britannia Iron Works, Bedford.

1883. Howard, Harry James, Messrs. Colman's Mustard Mills, Carrow Works, Norwich.

1903. Howard, Percy, Wynford Lodge, Erith, S.O., Kent.

1906. Hoy, Norman Bell, Fern Cliff, Heaton Mersey, Manchester.

1903. Hughes, Frederick, Resident Engineer, Sevenoaks Water Co., Seal, Sevenoaks.

1904. Hughes, Frederick Peter, Heathfield, Priory Lane, Blackheath, London, S.E.

1907. Hughes, Walter Ernest, Tilbury Contracting and Dredging Co. (1906), Providence Wharf, East Greenwich, London, S.E.

1904. Hughes, William Clare, 138 Gloucester Terrace, Hyde Park, London, W.

1907. Humphreys, Henry, 55 Quainton Street, Neasden, London, N.W.

1905. Huntley, Horace Frederick, 4 The Crescent, Thorpe Road, Peterborough.

1902. Inchley, William, Engineering Dept., University College, Nottingham.

1902. Ironside, Percy Humphrey, Sheba Gold Mining Co., Eureka, Transvaal.

1905. Ivatt, Henry George, 17 Heathfield Avenue, Crewe.

1905. Jackson, George James, Messrs. T. L. Miller and Wilson, 19 Brazennose Street, Manchester.

1906. Jalland, Geoffrey, St. Leonard's House, York.

1902. Jantzen, Paul Hermann Hudden, Messrs. Siemens Bros. and Co., Stafford.

1906. Jeffreys, Herbert William James, 33 Westbury Road, Barking.

1902. Jepson, George Frederic, Argyll Motors Ltd., Alexandria, Dumbartonshire.

1904. Jervis, Beresford Clayton, 8 Nile Street, Crewe.

1906. Johnston, Alexander Davidson, Jun., 16 Urfa Terrace, South Shields.

1903. Jones, Stinton James, 2 Noble Street, Falcon Square, London, E.C.

1891. Jordan, Frederic William, Messrs. W. Jordan and Sons, 349 Euston Road, London, N.W.

1904. Kann, John Hugo Conway, 577 Stretford Road, Old Trafford, Manchester.

1906. Keep, Thomas Bettsworth, Warberry House, Surbiton Hill.

1904. Kendall, Alfred Harold, 3 Grove Terrace, Thorpe Road, Norwich.

1905. Kiefert, Charles, 19 Henderson Road, College Park, Wandsworth Common, London, S.W.

1906. King, Herbert Edward, Hently Gresham Engineering Co., Letchworth, Herts.

1904. King, Horace Henry, Highclere, Vicarage Road, East Sheen, Surrey.

1905. Kininmonth, Colin Peter, 66 Wharf Street, Sowerby Bridge.

1905. Lacey, Onward Bayes, 265 Walthall Street, Crewe.

1902. Laird, Andrew Oswald, Engineer's Office, Millwall Dock, London, E.

1905. Lalor, Fintan John, 40 Mexfield Road, East Putney, London, S.W.

1905. Lane, Harry Joseph, Messrs. J. J. Lane, Phoenix Engine Works, Cranbrook Street, Old Ford Road, London, E.

1905. Larkin, Leslie, 79 Lordsmill Street, Chesterfield.

1901. Laubach, Philip Alfred, 26 West End Lane, Kilburn, London, N.W.

1904. Launay, Gaston de, 7 Rue Pétel, Paris.

1904. Law, Horace Cecil, 55 Melville Road, Edgbaston, Birmingham.

1905. Lawrence, John James Rutter, Newbury, Kenilworth Road, Ealing, London, W.

1906. Lawson, John Heslin, Jesmond, Lynmouth Road, Stamford Hill, London, N.

1906. Leach, George Bertram, Willow Bank, South Street, Rochdale.

1906. Lee, Joseph Standish Searchfield, Cromwell Lodge, 20 Anerley Hill, London, S.E.

1906. Lemerle, Augustus Louis, Engineer's Office, Newburgh and North Fife Railway, Lindores, Newburgh.

1904. Lester, William Henry, Water Engineer's Office, Town Hall, Wolverhampton.

1906. Lewis, Frederick Arthur, School of Practical Engineering, Crystal Palace, Sydenham, London, S.E.

1906. Lewis, Rowe Crompton Morrish, 33 Irwell Street, Bury, Lancs.

1886. Lewis, William Thomas Watkin, Engineer's Office, Bute Docks, Cardiff; and Eastbrook Hall, Dinas Powis, Cardiff.

1903. Li Fo Ki, Légation Impériale de Chine, Brussels, Belgium.

1902. Lightfoot, Kenneth, 52 Garden Walk, Preston.

1907. Linnell, Arthur Evelyn, Sheepbridge Iron Works, Chesterfield.

1905. Littlejohn, William Alexander, 4 Vernon Avenue, Eccles, Manchester.

1906. Lloyd, Charles Graham, 86 Cathedral Road, Cardiff.

1904. Lloyd, George Wilmot, 139 Walm Lane, Cricklewood, London, N.W.

1904. Lloyd, William Edward, Municipal Offices, Tuns Gate, Guildford.

1906. Lloyd, William Stanley, Ryarsh, Leigham Avenue, Streatham, London, S.W.

1903. Lloyd-Parton, Fred, 30 Riches Street, Wolverhampton.

1906. Longbottom, John Leonard, Surveyor's Department, County Hall, Wakefield.

1903. Macdonald, Ian, Scottish Motor Engineering Co., Granton, Edinburgh.

1906. MacDonald, William Robinson, South St. Roque's Works, Dundee.

1903. Macgregor, Alexander John, L'Auto Mixte Société Anonyme, 93 Hayeneux, Herstal, Liège, Belgium.

1906. Mackie, Ronald Hastings, 58 Cranley Gardens, Muswell Hill, London, N.
 1907. MacKinnon, Alister, 3 Rubislaw Den North, Aberdeen.
 1905. Mail, John Stanley, Bede House, Sunderland.
 1903. Malden, Herbert John, 4 Hamilton Terrace, Brighton.
 1905. Mallett, Arthur Henry, British American Tobacco Co., Wills Export Dept., Ashton Gate, Bristol.
 1904. Malthus, Robert, Dalton Hill, Albury, Guildford.
 1905. Manfield, Walter Guy, Wooth Grange, Bridport.
 1904. Manisty, Henry Scott, Mount Pleasant, Kingsbury, London, N.W.
 1905. Manners, Henry Briggs, 50 Carlyle Road, Edgbaston, Birmingham.
 1899. Mansfield, Oliver, Messrs. Mansfield and Sons, Royapuram, Madras, India. [*Mansfield, Madras.*]
 1906. Marsh, Charles Kenneth, University College, Nottingham.
 1904. Marsh, Harry Evelyn, Broom Grove House, Sheffield.
 1904. Marshall, Albert Edward, Messrs. Howarth Erskine, Ltd., River Valley Engine Works, Singapore, Straits Settlements.
 1906. Martin, Walter Augustus, Finsbury Technical College, Leonard Street, City Road, London, E.C.
 1905. Mason, Herbert Richard, Messrs. Napier and Son, Acton Vale, London, W.
 1886. Mattox, Alvaro Gomes de, 98 Rua da Sande, Rio de Janeiro, Brazil : (or care of Messrs. Fry Miers and Co., Suffolk House, 5 Laurence Pountney Hill, London, E.C.)
 1902. Maw, Arthur Ernest, 18 Addison Road, Kensington, London, W.
 1905. McDonald, Neil, c/o Sir John Jackson, Ltd., Loch Leven Water Power Works, Ballachulish Quarries, R.S.O., Argyllshire.
 1906. McDonald, William, Braemar, Westcombe Park Road, Blackheath, London, S.E.
 1906. McQuhae, William, 23 Belvedere Street, Workington.
 1906. Meadows, Albert, care of W. P. Meadows, Syston, Leicester.
 1905. Megirian, Joseph Jacob, care of Y.M.C.A., 215 West 23rd Street, New York, United States.
 1907. Mercer, Theocletus Stanley, Newall Engineering Co., Atherton's Quay, Warrington.
 1904. Merriman, George William Steward, Locomotive Department, Great Eastern Railway, Stratford, London, E.
 1904. Millington, William Ernest Wyatt, 78 Gainsborough Street, Werneth, Oldham.
 1903. Minett, Albert Ernest Sculthorpe, Messrs. Fry Miers and Co., Suffolk House, 5 Laurence Pountney Hill, London, E.C.
 1900. Minors, Ernest, City Engineer's Office, Guildhall, Worcester.
 1906. Minshull, John Williams, City Technical Schools, Kilkenny.

1907. Mitchell, Gardiner, Messrs. Barry, Henry and Co., West North Street, Aberdeen.

1902. Mitchell, William George, Ingledene, Windsor.

1903. Mobbs, Herbert, Pytchley Autocar Co., Bradshaw Street, Northampton.

1905. Monaghan, Thomas Joseph, 456 King's Road, Chelsea, London, S.W.

1903. Moore, Francis Charles, 103 Gower Street, London, W.C.

1906. Morgan, Frederick John, Messrs. J. W. Brooke and Co., Adrian Iron Works, Lowestoft.

1902. Morgan, Henry Frederick Stanley, Stoke Lacy Rectory, Bromyard, Worcester.

1906. Morgan, Herbert Edward, Messrs. W. R. Sykes' Interlocking Signal Co., Station Road, Clapham, London, S.W.

1902. Morgan, William Henry, 45 Fairfax Road, Bedford Park, Chiswick, London, W.

1902. Morris, Cyril Clarke Boville, Locomotive Dept., Great Eastern Railway, Stratford, London, E.

1903. Morris, William Edward, 3 Netherton Road, Twickenham.

1906. Moss, Ernest William, 20 Huddlestane Road, Tufnell Park, London, N.

1906. Moubayed, George Michel, School of Practical Engineering, Crystal Palace, Sydenham, London, S.E.

1905. Mowll, Harold Havelock Savignac, Station House, Brookwood, Woking.

1905. Munyard, Matthew Henry, Thames Engineering Works, Greenwich, London, S.E.

1892. Murray, David James, 10 St. Bees Street, C.-on-M., Manchester.

1905. Myers, Archibald Charles Tracey, Divisional Offices, Homerton Terrace, Hackney, London, N.E.

1904. Nash, Henry Algernon Fraser, Hastings and District Tramway Co., Power House, Parner Road, Hastings.

1905. Needham, Cyril Armitage, Water Engineer's Office, 52 Balls Road, Birkenhead.

1901. Nevill, Stanley Sharp, 11 St. Mary's Road, Canonbury, London, N.

1903. Newill, George Ernest, 48 Wheeley's Road, Edgbaston, Birmingham.

1905. Newlands, Arthur Herbert, c/o Mrs. Terney, 14 Albert Street, Barrow-in-Furness.

1905. Norrish, Hugh Roper Barrett, Hawley House, Tudor Road, Upper Norwood, London, S.E.

1904. Northcott, Henry Hans Macfarlane, General Engine and Boiler Co., Hatcham Iron Works, Pomeroy Street, New Cross Road, London, S.E.

1902. Nutton, Harry, Electrical Department, Borough Road Polytechnic, London, S.E.

1906. Odell, Joseph William Ewart, School of Practical Engineering, Crystal Palace, Sydenham, London, S.E.

1903. Ogg, Easton Lewis, Aboyne, Honor Oak Road, Forest Hill, London, S.E.

1905. Oram, Robin Edgar Cecil, Davis Road, Lahore, India.

1906. O'Riordan, George Francis, Heriot-Watt College, Edinburgh.

1905. Orme, Charles Temple, 43 Beecham Road, Reading.

1883. Osborn, William Fawcett, Messrs. Samuel Osborn and Co., Clyde Steel and Iron Works, Sheffield.

1904. Owen, Edward Hughes, Holford House, Perry Barr, Birmingham.

1904. Owen, Halsall, Messrs. Monks, Hall and Co., Warrington.

1906. Oxbow, Charles Edward, 23 Park Road, Ilford.

1906. Palmer, Albert Edward, Engineering Department, Northampton Institute, Clerkenwell, London, E.C.

1905. Palmer, Edward William, 14 Cecil Road, Harlesden, London, N.W.

1902. Parratt, Herbert Edwin, The Oaks, Half Moon Lane, Herne Hill, London, S.E.

1906. Parsons, Joshua, Messrs. Saxby and Farmer, Chippenham, Wilts.

1905. Payne, Charles Augustus William, Borough of Hammersmith Electricity Works, 85 Fulham Palace Road, Hammersmith, London, W.

1906. Payne, Frank Joseph, School of Practical Engineering, Crystal Palace, Sydenham, London, S.E.

1901. Peacock, Jesse Butler, Egyptian Delta Light Railways, Damanhour, Lower Egypt.

1904. Peam, Ferdinand, Remington Typewriter Mfg. Co., Ilion, New York, United States.

1906. Pearson, Walter, Messrs. Burmeister and Wain, 105 Middle Abbey Street, Dublin.

1903. Pellow, James Richards, Locomotive Department, London and South Western Railway, Nine Elms, London, S.W.

1902. Penn, Bertram Harley, 100 York Mansions, Battersea Park, London, S.W.

1901. Penn, Reginald William, 100 York Mansions, Battersea Park, London, S.W.

1907. Percival, Clive, 7 Talbot Road, Bayswater, London, W.

1904. Percy, Harry Leonard, Colombo Electric Tramways and Lighting Co., Colombo, Ceylon.

1904. Perrott, William, c/o James Johnson, Nelson Place, Cork. [*Motors, Cork.*]

1900. Perry, Edgar William Frank, Messrs. Farmer and Co., 48 Aldermanbury, London, E.C.

1906. Perry, Frederick Buckland, Albion House, 12 Pelham Street, Lincoln.

1902. Petrie, Percival, 25 Bridge Road West, Battersea, London, S.W.

1890. Philipson, John, Messrs. Atkinson and Philipson, 27 Pilgrim Street, Newcastle-on-Tyne. [*Carriage, Newcastle-on-Tyne.* 1641.]

1884. Philipson, William, Messrs. Atkinson and Philipson, 27 Pilgrim Street, Newcastle-on-Tyne. [*Carriage, Newcastle-on-Tyne.* 1641.]

1903. Pickett, Henry Arthur, E.C.C. Temporary Office, L.C.C. Power Station, Greenwich, London, S.E.

1902. Pink, Edward Sidney, 5 Gwendolen Avenue, Putney, London, S.W.

1905. Pirrie, Robert Hamilton George, 176 Shrewsbury Street, Brooks's Bar, Manchester.

1903. Poignand, Francis Nesbitt, 155 North Yewdell Street, W. Philadelphia, Philadelphia, Pa., U.S.

1906. Pollard, Hugh Bertie Campbell, School of Practical Engineering, Crystal Palace, Sydenham, London, S.E.

1903. Porter, Geoffrey, 10 Vanbrugh Park, Blackheath, London, S.E.

1905. Powell, Charles Russell, 29 Loveday Road, Ealing, London, W.

1902. Powell, Henry, Messrs. Rose Brothers, Albion Works, Gainsborough.

1906. Power, Robert Turenne, Messrs. Ransomes, Sims and Jefferies, Orwell Works, Ipswich.

1902. Pratchitt, William Monkhouse, Messrs. Pratchitt Brothers, Denton Iron Works, Carlisle.

1905. Prevost, Henri Arthur, c/o A. T. Prevost, P.O. Box 5400, Johannesburg, Transvaal.

1903. Price-Williams, Douglass, Messrs. Wilson Sons and Co., St. Vincent, Cape Verd Islands.

1905. Priest, Clarence Sidney, 52 Spring Road, Edgbaston, Birmingham.

1904. Priestley, Albert, Ovenden House, Halifax.

1904. Prosser, Nathaniel Littler, West Leigh, Werneth-Hall Road, Oldham.

1904. Pudsey, Fawcett, Dock Engineer's Office, North Eastern Railway, Hull.

1904. Pursey, Herbert Stanley, Wakefield and District Light Railway, Belle Isle, Wakefield.

1904. Purves, Percival Francis, School of Practical Engineering, Crystal Palace, Sydenham, London, S.E.

1905. Putnam, Percy Francis, 2 Skardu Road, Cricklewood, London, N.W.

1892. Ransom, Herbert Byrom, Messrs. Manlove Alliott and Co., 41 and 42 Parliament Street, Westminster, S.W.

1902. Ravenshear, Albert Edward, 2 Berwick Street, Oxford Street, London, W.

1906. Rayner, Herbert, 243 Crosby Road, Seaforth, Liverpool.

1902. Reeve, Edward, Wolseley Tool and Motor Car Co., Adderley Park, Birmingham.

1905. Reeve, Francis Henry, Somerset Villas, St. Peter's Road, Margate.

1905. Rendell, Henry Thomas, Conegar, Stoke Poges Lane, Slough.

1884. Reynolds, Thomas Blair, 32 Old Jewry, London, E.C.

1904. Rich, Sidney Cresswell Gaylor, 13 Cope Street, Coventry.

1900. Richards, James Garfield, Locomotive Works, London and South Western Railway, Nine Elms, London, S.W.

1903. Richards, Samuel Hope, Electrical Standards Laboratory, Board of Trade 8 Richmond Terrace, Whitehall, London, S.W.

1904. Richardson, John Stocks, East Parade Chambers, Leeds.

1906. Rickie, Alexander John, 10 Nawab Putti Road, Chitpore, Calcutta, India.

1904. Rickie, James Hepburn, Ways and Works Dept., Burma Railways Co., Rangoon, Burma, India.

1903. Roberts, Edwin Gilbert Llewellyn, Park Lodge, Eltham, Kent.

1905. Roberts, Oswald Willan Burra, 32 Craven Park Road, Harlesden, London, N.W.

1904. Roberts, Robert James, c/o Mrs. Clark, 8 Royston Terrace, Goldenacre, Edinburgh.

1902. Roberts, Walter Slingsby, Gun Mounting Drawing Office, Messrs. Vickers Sons and Maxim, Barrow-in-Furness.

1905. Ronald, Lionel Rodger, Mandeville, Aigburth Road, Liverpool.

1905. Rose, William Alexander, 7 Gainsborough Street, Plymouth Grove, Manchester.

1901. Rouse, Frederick Robert Charles, 53 St. George's Road, Regent's Park, London, N.W.

1888. Rümmele, Alfredo, 3 Foro Bonaparte, Milan, Italy.

1906. Salway, Alec Dudley, 4 Brownswood Park, Green Lanes, London, N.

1904. Sanders, Percy Alan, Gostwycke, Colchester.

1904. Saunders, Charles Henry Stanley, Locomotive Department, Madras Railway, Perambore, Madras, India.

1902. Saxby-Thomas, Humbert George, Assistant Locomotive and Carriage Superintendent, Burma Railways Co., Insein, Burma.

1890. Saxelby, Herbert Raffaelle, Messrs. Riley, Hargreaves and Co., Singapore, Straits Settlements.

1903. Saynor, Leonard Henderson, 95 Wightman Road, Harringay, London, N.

1906. Schluter, Harold, 9 Hampden Street, Nottingham.

1902. Schultz, George Christopher, The Firs, Northwood, R.S.O., Middlesex.

1881. Scott, Ernest, Messrs. Ernest Scott and Mountain, Close Works, Newcastle-on-Tyne. [*Esco, Newcastle-on-Tyne.* 1259.]

1906. Shaw, Archibald Thomas, 94 Blackheath Road, Greenwich, London, S.E.

1902. Shaw, William Calvert, Albert Works, Lockwood, Huddersfield.

1905. Shearman, John, Jun., 16 Frogner Gardens, Hampstead, London, N.W.

1903. Shelmerdine, Eric Dean Saatweber, 15 Lever Street, Manchester.

1903. Shirreff, James Arthur, Lancashire Electrical Power Co., Power Station, Stoneclough, Manchester.

1904. Simmonds, George Carlyle, Athol House, 101 Balham Park Road London, S.W.

1905. Simpson, Frederick Dudley, Messrs. F. R. Simpson and Co., Oldbury Birmingham.

1902. Sington, Leonard Francis Symons, 44 St. Mary's Mansions, Paddington London, W.

1905. Skidmore, Thomas Emmott, British Cigarette Co., Pootung Factory Shanghai, China.

1903. Smart, David Howard St. Barbe, 108 Grange Road, Bermondsey, London, S.E.

1904. Smith, Arthur Macklow, South-Western Polytechnic, Manresa Road, Chelsea, London, S.W.

1906. Smith, Frederick George, 20 Gresham Road, Brixton, London, S.W.

1904. Smith, Stanley Carlton, Messrs. W. H. Allen, Son and Co., Queen's Engineering Works, Bedford.

1902. Smith, Sydney Abbott, 66 College Street, Chelsea, London, S.W.

1904. Smith, William Garner, Messrs. Warren Smith and Co., 66 College Street Chelsea, London, S.W.

1902. Somers, Frank, Haywood Forge, Halesowen, near Birmingham.

1902. Spear, Charles Oscar, Messrs. Spear Bowles and Co., Hundholmen Tysfjord, Norway.

1904. Spedding, John Wilson, 15 St. Michael's Road, Workington.

1906. Spink, Harold Marshall, The Nook, Reigate.

1904. Stadelbauer, Alfred, Broad Oak, Didsbury, Manchester.

1906. Stamford, Lieut. Alfred Richard, A.O.D., 14 Charleston Road, Rathmines Dublin.

1903. Stanford, Eric Spencer, Stalheim House, Gauden Road, Clapham London, S.W.

1905. Stanier, John Hamilton, care of T. Lumsden, Coulthard's Lane, Gateshead.

1905. Stern, Sydney Leonard, Dovecote, Grove Road, Willesden Green, London, N.W.

1902. Stevenson, Edward James, Manager, Messrs. Robert Cort and Son, 21 Lower Bland Street, Great Dover Street, London, S.E.

1904. Suggate, Claude Francis Denny, Lewes and District Electric Supply Works, Lewes.

1902. Swan, Herbert Anderson, Bleak House, Semaphore, South Australia.

1903. Swarbrick, Frederick, Electricity Works, Leigh, Lancs.

1905. Swinney, Herbert, 27 Bridge Street, Chepstow.

1905. Symons, Angus Bryant, Messrs. Thomas Auty and Co., 326 St. John Street, London, E.C.

1900. Taite, Geoffrey Charles, 25 Buckingham Gate, London, S.W.
1903. Taylor, Harry Longfellow, 10 Leyland Road, Lee, London, S.E.
1884. Taylor, Maurice, 11 bis Rue Villebois-Mareuil, Paris.
1902. Tchighianoff, Alexander, 33 Tanza Road, Hampstead, London, N.W.
1905. Thomas, Frank George, Holmesdale Villa, Garnock Road, Woolston, Southampton.
1904. Thompson, Bernard Valentine, Royal Engineers' Office, Shoeburyness, S.O., Essex.
1903. Thorne, Douglas Stuart, 20 Heathfield Avenue, Crewe.
1904. Thorne, Leonard, Metropolitan Water Board, Commercial Road, Pimlico, London, S.W.
1902. Thornton, Arthur Frederick, Messrs. Westinghouse, Church, Kerr and Co., Room 1005, 10 Bridge Street, New York, United States.
1905. Thorpe, Harold Thomas Emerson, Messrs. Robey and Co., P.O. Box 169, Johannesburg, Transvaal.
1904. Thursby, Thomas Archibald, 322 Granville Road, Sheffield.
1905. Tillard, Thomas Atkinson, Adhurst St. Mary, Petersfield.
1907. Timothy, Ernest, School of Practical Engineering, Crystal Palace Sydenham, London, S.E.
1904. Toby, Arthur Ivon, Park Villa, Torquay.
1902. Tomes, John Percival, 9 Wickham Road, St. John's, London, S.E.
1903. Trayte, Walter George, Woolwich Polytechnic, William Street, Woolwich.
1903. Trimmer, George William Arthur, Messrs. Burn and Co., 7 Hastings Street, Calcutta, India.
1907. Trotter, William Beauchamp, 37 Elms Road, Clapham, London, S.W.
1904. Troughton, Henry James, Engineer's Department, Metropolitan Electric Tramways, 4 South Place, Finsbury, London, E.C.
1906. Trusler, William Jaffrey, 35 Elliott Road, Calcutta, India.
1903. Turner, Joe, 60 King Street, Huddersfield.
1903. Turner, William Lawrence, Purley Chase, Atherstone.
1902. Twelvetrees, Richard Walter Rickard, 91 Louisville Road, Tooting, London, S.W.
1906. Tyrrell, Lieut. William Grant, R.E., The Balconies, Liss, S.O., Hants.

1904. Vyvyan-Robinson, Cecil Albert, Pencisley, near Cardiff.

1901. Wadams, Samuel James, 77 Middleton Street, Moss Side, Manchester.
1902. Wakeman, Charles, Jun., Messrs. Guest, Keen and Nettlefolds, 16 Broad Street, Birmingham.
1902. Wakeman, Frederick, Carisbrooke, Cambridge Road, King's Heath, Birmingham.

1905. Walker, Charles Albert, L.C.C. School of Marine Engineering, High Street, Poplar, London, E.

1906. Walker, Edward George, 1 Avenue Terrace, New Bushey, Herts.

1902. Wallis, Gerald Pearson, The Lodge, Tattershall, Lincoln.

1905. Wallis, Stanley Appleton, Engineer's Office, Entre Rios Railways, Parana, Argentina.

1905. Ward, Charles William Dawson, The Trio, Castle Road, Nottingham.

1903. Ward, Montague Wesney, c/o J. H. Van Buskirk, Room 1205, Grand Central Station, New York, U.S.

1901. Warwick, Percy Walter, Royal Naval College, Greenwich, London, S.E.

1904. Watson, Herbert Sanderson, 5 Clarendon Terrace, Dundee.

1906. Webster, Rupert Kenley, Dumbuck House, Dumbarton.

1905. West, Neville Edward, Firth Dene, Reigate.

1906. Wheaton, Harold Joseph, Kennicott Water Softener Co., 29 Great St. Helen's, London, E.C.

1888. Whichello, Richard, Messrs. Victor Uslaender and Co., 33 Rua do General Camari, Caixa 542, Rio de Janeiro, Brazil: (or 44 Trumpington Street, Cambridge.)

1903. Whitehead, Alan Octavius, Deighton Grove, York.

1905. Whittington, William Ewart, Board of Public Works, Custom House, Dublin.

1906. Wickham, Oliver, Messrs. H. J. West and Co., Stamford Works, 116 Southwark Bridge Road, London, S.E.

1889. Wigham, John Cuthbert, Edmundsons' Electricity Corporation, Broad Sanctuary Chambers, Westminster, S.W.

1906. Wight, John Thomas, Heriot-Watt College, Edinburgh.

1906. Wilkinson, Robert Sydney, c/o Mrs. McKechnie, 15 Dunearn Street, Glasgow.

1905. Wilcox, Benjamin Bruce, 34 Hamilton Terrace, St. John's Wood, London, N.W.

1904. Williams, Herbert Laurence, 52 Walmer Road, Plumstead, London, S.E.

1905. Williams, Hugh Richard, 54 Wetherell Road, South Hackney, London, N.E.

1905. Wilman, Edgar Arthur, Messrs. E. Wilman and Sons, Borough Mills, Bolton Road, Bradford.

1903. Wilson, Ewain Murray, Messrs. Charles Burrell and Sons, St. Nicholas Works, Thetford.

1905. Wilson, Percy Hutchinson, Messrs. James Oakes and Co., Alfreton Iron Works, Riddings, Alfreton.

1904. Witherington, Charles Hanington, Aberlash, Sonning, Reading.

1906. Wood, Cecil Gordon, Messrs. Marshall, Sons and Co., Britannia Iron Works, Gainsborough.

1902. Wood, Charles Cuthbert, 96 Midland Road, Bedford.
1906. Wood, William Alonzo, 5 Beatrice Street, Bootle, Liverpool.
1903. Wood, William Bertram, Norfolk House, Brandon.
1906. Woodhouse, Lieut. Ernest, R.E., Longmead, Marple Bridge, Stockport.
1903. Worssam, Leslie Henry, Messrs. G. J. Worssam and Son, Wenlock Road, City Road, London, N.
1906. Worssam, Ralph, Messrs. G. J. Worssam and Son, Wenlock Road, City Road, London, N.
1905. Worth, Henry Norman, 24 Patrick Road, West Bridgford, Nottingham.
1902. Wright, Arthur Reginald, Drawing Office, Central Marine Engine Works, West Hartlepool.
1903. Wright, Frank Thomas, 67 Mount Street, Charlton, Kent.

1903. Yarrow, Harold Edgar, Fairlawn, Bearsden, Glasgow.
1905. Yates, Reginald Cholmeley Campbell, The Rookery, near Macclesfield.
1891. Yerbury, Frederick Augustus, Esher Avenue, Walton-on-Thames.
1906. York, Reginald Stanley, 53 Auckland Road, Doncaster.
1905. Young, Geoffrey, 24 Lansdowne Grove, Neasden, London, N.W.
1907. Young, John Graham, Ravenscroft, Hook Heath, Woking.
1902. Younghusband, Kenneth, Messrs. J. and M. S. Sharp and Co., Low Moor, Bradford.

1906. Zohny, Ahmed Sadik, School of Practical Engineering, Crystal Palace, Sydenham, London, S.E.

TOPOGRAPHICAL LIST OF MEMBERS.

BRITISH ISLES.
ENGLAND.

Abbey Wood—			Barrow-in-Furness—		Belvedere—	
Shoosmith, H.	M.		Banister, G. H.	M.	Walker, P.	M.
Accrington—			Buckwell, G. W.	M.		
Young, H. E.	A.M.		Caswell, C. H.	G.		
Aldershot—			Duff, P. J.	G.		
Cladingsbowl, G. A.	G.		Dunn, J.	M.		
Donohue, Major W. E.	M.		Goodier, H.	A.M.		
Alfreton—			McKechnie, J.	M.		
Goodwin, R.	A.M.		Newlands, A. H.	G.		
Wilson, P. H.	G.		Oughterson, G. H.	A.M.		
Andover—			Pettigrew, W. F.	M.		
Stringer, P.	A.M.		Roberts, W. S.	G.		
Ashford, Kent—			Smith, J. W.	A.M.		
Masterton, J. F.	M.		Thackeray, T.	M.		
Sands, H.			Basingstoke—			
Stirling, J.	M.		Cruse, G. H. I.	G.		
Ashford, Middlesex—			Watson, G. W.	A.M.		
Robinson, E. M.	M.		Bath—			
Ashton-under-Lyne—			Day, A. G.	A.M.		
Balkwill, A. J.	M.		Gregson, B. P.	A.M.		
Bickerton, H. N.	M.		Haggard, P. L.	G.		
Cartwright, W.	M.		Hamblin, H. J.	A.M.		
Fletcher, J. A.	M.		Horner, J. G.	A.M.		
Hargreaves, W. L.	A.M.		Mogg, H. H.	A.M.		
Lees, S.	M.		Pitt, W.	M.		
Atherstone—			Batley—			
Turner, W. L.	G.		Bagshaw, W.	M.		
Aylesbury—			Jones, S. D.	A.M.		
Crouch, H.	G.		Beccles—			
Bamber Bridge—			Galley, F. G.	A.M.		
Gibbs, G. J.	M.		Bedford—			
Banbury—			Allen, H. G.	A.M.		
Bagg, H. A.	A.M.		Allen, R. W.	M.		
Cunningham, H.	M.		Allen, W. H.	M.		
Nasbey, G. W.	M.		Child, P. D.	A.M.		
Samuelson, E.	M.		Colley, R. W.	G.		
Barking—			Everett, G. E.	A.M.		
Howard, H. L.	A.M.		Grafton, A.	M.		
Jeffreys, H. W. J.	G.		Howard, G.	G.		
Barnard Castle—			Howard, J. H.	M.		
Tubbs, W. E.	A.M.		Langley, G.	A.M.		
Barnsley—			Smith, R. R.	A.M.		
Allport, H. A.	M.		Smith, S. C.	G.		
Barnstaple—			Steinmetz, A. S. B.	A.M.		
Colbourne, T. S.	A.M.		Talbot, E.	A.M.		
			Trunchion, W. T. F.	M.		
			Winmill, G.	M.		
			Wood, C. C.	G.		
			Belper—			
			Alleyne, Sir J. G. N.	M.		

Birmingham (cont.)—

Conaty, G.	M.
Corby, M.	A.M.
Cox, J.	M.
Crossley, J.	A.M.
Darlington, S. N.	A.M.
Davies, J. E.	G.
Deakin, W.	M.
Dickinson, A.	M.
Dickinson, R. H.	M.
Docker, F. D.	A.
Douglass, A. E.	A.M.
Dowson, E. A.	A.M.
Dugard, W. H.	M.
Edwards, A. E. A.	M.
Engholm, A. G.	A.M.
Everitt, N. H.	M.
Ewen, T. B.	M.
Foster, J. S.	M.
Gamble, G. M.	A.M.
Gibbins, R. C.	M.
Ginders, E. M.	A.M.
Graham, H. B.	M.
Green, F. W.	A.M.
Greenway, N. W.	G.
Greenwood, V. E.	A.M.
Griffiths, H.	A.M.
Guest, G. N.	A.M.
Hall, J. W.	M.
Hall, T. B.	M.
Hampton, J.	A.M.
Heaton, C.	M.
Hemmings, H. F. L.	A.M.
Hicks, F. G.	A.M.
Hill, A. G.	A.M.
Hillhouse, J. P.	G.
Hipkins, W. E.	M.
Hodgson, R. B.	A.M.
Hudson, E. V.	A.M.
Hurst, J. H.	A.M.
Jackson, E.	A.
Jackson, R. C.	M.
James-Carrington, H.	A.M.
Jefferiss, T.	M.
Johnson, P. S.	A.M.
Jones, E.	M.
Jones, F.	M.
Jones, L. A.	A.M.
Jones, S. D.	A.M.
Keay, J.	M.
Keen, A.	M.
Keen, F. W.	M.
Kershaw, T. E.	M.
Ketley, C. B.	A.M.
Lane, N. A.	A.M.
Law, H. C.	G.
Lea, F. M.	M.
Lea, H.	M.
Little, G.	M.
Madeley, C.	M.
Manners, H. B.	G.
Mapplebeck, E.	M.
Marks, A. P.	A.M.
Marks, E. C. R.	M.
Marshall, J. G.	M.
Miles, E. G.	A.M.
Mitton, E. M., Jun.	M.
Mitton, T. E.	A.M.
Nettelfold, G.	A.M.
Newill, G. E.	G.
Norton, A.	A.M.
Orr, T. R. J.	A.M.
Owen, E. H.	G.
Page, J. H.	A.M.

Birmingham (cont.)—

Parrott, T. H.	M.
Parsonage, W. R.	A.M.
Pedley, H. L.	M.
Pendlebury, C.	M.
Penn, F. J.	M.
Phelps, G. I. de B.	A.M.
Piercey, G. F.	A.M.
Pitt, J. D.	A.M.
Plant, G.	A.
Porter, R. C.	A.M.
Priest, C. S.	G.
Prior, J. D.	A.
Ratcliff, W.	A.M.
Reeve, E.	G.
Remington, A. A.	A.M.
Reynolds, A. M.	A.M.
Richey, W. F. A.	A.M.
Robertson, W. H. A.	
Robey, E. W.	A.M.
Robson, W. H.	M.
Rosevere, L.	A.M.
Rosevere, G. R.	A.M.
Rowland, J. D.	A.M.
Sandford, J.	A.M.
Sangster, C. T. B.	M.
Sharp, T. B.	M.
Simpson, F. D.	G.
Smith, A. J.	A.M.
Smith, J.	M.
Somers, F.	G.
Somers, W.	M.
Stevenson, J. L. C.	A.M.
Stuffield, F. W.	A.M.
Tangye, G.	M.
Tangye, H. L.	M.
Tangye, J.	M.
Tangye, J. H.	M.
Taunton, R. H.	M.
Taylor, D. F.	A.M.
Taylor, J. S.	M.
Thornbery, W. H.	M.
Titley, A.	M.
Trafford, A.	M.
Trafford, J. P.	A.M.
Trench, W. C. P.	A.M.
Turner, A.	M.
Wade, F. R.	A.M.
Wakeman, C., Jun.	G.
Wakeman, F.	G.
Walker, T. F.	M.
Walker, Z., Jun.	M.
Wall, C. H.	M.
Warden, W. E.	M.
Wearing, J. E.	M.
Webb, T. H.	M.
Wheeler, P.	M.
Whitehouse, A.	A.M.
Williams, C. J.	A.M.
Williams, N. C.	A.M.
Winn, C. R.	M.
Wiseman, A.	M.
Worsley, P. J., Jun.	A.M.

Blackpool—

Furness, C.	M.
Bolton—	
Berry, F.	A.M.
Bromiley, W. J.	M.
Chatwood, S. R.	M.
Cottrell, J. O.	M.
Cryer, J. W.	A.M.
Dobson, B. P.	A.M.
Forrest, H. S.	M.
Hardman, F.	A.M.
Harwood, R.	M.
Holden, E. C.	A.M.
Hudson, J. G.	M.
Jones, C. F.	M.
Kirby, E. J.	A.M.
Macbeth, N.	M.
Musgrave, F. E.	M.
Musgrave, W. M.	M.
Richardson, H. A.	M.
Rothwell-Jackson, H. L.	M.
Rushton, J. L.	M.
Ryder, G. A.	M.
Skinner, G.	A.M.
Taggart, W. S.	M.
Taylor, F.	A.M.
Warwick, W.	A.M.
Wood, H.	M.
Wood, W. J. H.	A.M.
Boston—	
Harliss, W. L.	G.
Lovell, S. G.	A.M.
Bournemouth—	
Bulfin, I.	M.
Crohn, F. W.	M.
Eden, C. H.	G.
Keable, A. H.	A.M.
Bourton—	
Rankin, E. A.	A.M.
Box, Wilts.—	
Philip, W. L.	M.
Bradford—	
Bell, J.	G.
Bland, J. W.	A.M.
Charnock, Prof. G.	F. M.
Clapham, J. P.	A.M.
Croft, F.	A.M.
Croft, F. L.	M.
Dean, J.	M.
Dews, J. W.	A.M.
Ellis, A. D.	M.
Feather, R.	A.
Foster, E. H.	A.M.
Foster, H. A.	M.
Hewitt, A. E.	A.M.
Hinchliff, H. W.	A.M.
Homershaw, T. H. C.	M.
Knowles, J. W.	M.
Lindsay, H.	A.M.
Marsden, F.	A.M.
Morley, H. W.	M.
Nutter, H. N.	A.M.
Patchett, J. H.	A.M.
Rycroft, J. E.	A.M.
Scott, A. F.	M.
Smith, W. H.	M.
Stringer, R.	A.M.
Taylor, A. J.	A.M.
Whittaker, F. W.	M.
Wigglesworth, F.	A.M.
Wilman, E. A.	G.
Younghusband, K.	G.

Braintree —		Bromley, Kent (cont.) —		Chelmsford —	
Clayton, J.	M.	Catmurl, T. S.	A.M.	Clarkson, T.	M.
Brampton, Cumbd. —		Greenhill, T. A.	M.	Dewhirst, J.	A.M.
Hawks, N. S.	M.	Jones, T. M.	A.M.	French, A. H.	A.M.
		Potter, H. S.	A.M.	Johnson, J. H.	A.M.
Brandon —				MacCallum, A. H. S.	
Wood, W. B.	G.	Broseley —			A.M.
Brentford —		Garrard, G. M.	M.		
Gordon, C. W.	A.M.			Cheltenham —	
Bridgwater —		Buckfastleigh —		Fawkes, R. E. F.	A.M.
Wills, F.	M.	Willcocks, J.	A.M.	Kilgour, M. H.	M.
Bridport —		Burnley —		Ormerod, R. O.	M.
Harris, H. N.	A.M.	Starkie, J. E.	A.M.	Phillott, G. H.	A.M.
Manfield, W. G.	G.				
Brierley Hill —		Burton-on-Trent —		Chepstow —	
Mantle, H. G.	M.	Beare, H. H.	A.M.	Swinney, H.	G.
Brighouse —		Daniel, E. F.	M.	Chester —	
Woodhouse, R.	M.	Dommen, E.	A.M.	Britton, S. E.	A.M.
Brighton —		Mell, L. P.	M.	Comerford, E.	A.M.
Alexander, W.	M.	Phillips, W. H.	A.M.	Dimmack, A.	A.M.
Bowen, E.	M.	Pringle, P. J.	M.	Ellington, N. B.	G.
Broughton, H.	G.	Smith, J.	M.	Gott, J. B.	A.M.
Couch, R. E.	A.M.	Thornehill, R.	M.	Harris, J. E.	G.
Hill, R. A.	M.	Thornley, G.	M.	Haywood, A. R.	A.M.
Johnston, J.	M.			Hobbs, C. J.	M.
Malden, H. J.	G.	Bury, Lanes —		Hogarth, T. O.	M.
Marsh, D. E.	M.	Bentley, G.	M.	Thornton, F. W.	M.
Wyles, D. D.	M.	Hall, O. S.	M.		
Bristol —		Lewis, R. C. M.	G.	Chesterfield —	
Baber, S. E.	A.M.	Peregrine, W. H.	A.M.	Allbutt, J. E. H.	A.M.
Baker, D. W.	A.M.	Riley, J. H.	M.	Clark, G.	M.
Butler, G. H.	A.M.	Webb, H.	M.	Frost, G. H.	A.M.
Coates, A. F.	A.M.			Gandy, F.	M.
Ellery, H. G.	M.	Buxton —		Larkin, L.	G.
Evans, M. T.	M.	Hockley, N. J.	A.M.	Linnell, A. E.	G.
Fiddes, W.	M.			Morris, W. J.	A.M.
Geen, H.	A.M.	Cambridge —		Pilkington, H.	M.
Hosegood, T. P.	A.M.	Darwin, H.	M.	Robinson, T. H.	A.M.
Humpage, T.	M.	Hoff, E. J.	A.M.	Rushworth, D.	A.M.
John, P.	M.	Hopkinson, Prof. B.	M.		
Kitchin, J. W.	A.M.	Lack, C. T.	A.M.	Chester-le-Street —	
Lawson, F. M.	A.M.			Wood, Sir L.	M.
Macdonald, J. T. S.	M.	Carlisle —		Chichester —	
Mallett, A. H.	G.	Dove, J. C.	M.	Pye, T. E.	A.M.
McGhee, A.	A.M.	Pratchett, J.	M.	Chippenham —	
Munro, E. M.	M.	Pratchett, W.	M.	Adams, A. E.	A.M.
Munro, Prof. J.	M.	Pratchett, W. M.	G.	Hodgson, P. F.	M.
Osborn, J. L.	A.M.			Parsons, J.	G.
Parkinson, H. C.	M.	Carnforth —		Chislehurst —	
Peckett, T.	M.	Worsdell, T. W.	M.	Peyrecave, G. R. de	A.M.
Peet, W. G.	M.				
Phillips, W.	M.	Charlton —		Chorley —	
Soyres, B. de	A.M.	Paterson, S.	A.M.	Heald, H.	A.M.
Stagg, W.	M.	Wright, F. T.	G.		
Stothert, G. K.	M.			Christchurch —	
Strong, A. G.	A.M.	Chatham —		Hussey, F. K. E.	A.M.
Swaine, J.	M.	Barty, A. D.	M.		
Thompson, J. R.	M.	Curgenven, Eng. Lt.		Claeton-on-Sea —	
Watts, J.	M.	L. W.	A.M.	Francis, A. S.	A.M.
Westacott, P.	A.M.	Fletcher, F. P.	A.M.	Cleobury Mortimer —	
Westley, C. B.	A.M.	Harrison, Major G. H.	M.	Shaw, G.	A.M.
Williams, C.	A.M.				
Wright, T. G.	A.M.	Phillips, Capt. F. H.	A.M.	Clevedon —	
		Pocock, Eng. Lt. H. F.	A.M.	Pye, J. H.	A.M.
Broadstairs —		Rundall, Capt. C. F.	M.		
Gullick, H. D.	G.	Schoeberlein, F.	A.M.	Coalbrookdale —	
Higginson, F.	A.M.			Norris, W. G.	M.
Bromley, Kent —		Chatteris —			
Allison, T. E.	A.M.	Esson, J.	M.	Colchester —	
Cartwright, A. C. M.	G	Cheadle, Cheshire —		Barker, L. C.	A.M.
		Hobson, J. E.	M.	Fletcher, W.	M.
				Paxman, J. N.	M.
				Sanders, P. A.	G.
				Sillar, A. R.	A.M.
				Stirling, R.	M.

Colne—	Rushworth, G. W.	A.M.	Dagenham—	Ingle, H. E.	A.M.	Dewsbury—	Woodhouse, W. B.	A.M.
Consett—	Douglas, W. S.	A.M.		Williams, A. E.	M.			
	Scott, J.	M.	Darlington—	Carrick, H.	M.	Doncaster—	Bulleid, O. V. P.	G.
Corbridge-on-Tyne—	Reay, E.	A.M.		Coates, A.	M.		Dove, G.	M.
				Douglas, C. P.	M.		Drury, H. W. C.	A.M.
Coventry—	Bennett, A. E.	M.		Hughes, F. E. H.	A.M.		Hogg, W.	G.
	Bird, W. H.	M.		Kendal, R.	M.		Ivatt, H. A.	M.
	Bramley, T. B.	M.		Moberly, J. E.	M.		Meredith, J.	M.
	Brett, A. W.	A.M.		Wheeler, O.	A.M.		Parker, J. H.	M.
	Craig, A.	M.	Dartford—	Brier, H.	M.		Stewart, C.	A.M.
	Field, B. K.	M.		English, Lt.-Col. T.	M.		Webster, F. J.	M.
	Harmer, O.	M.		Hesketh, E.	M.		York, R. S.	G.
	Herbert, A.	M.		Pratten, F. E.	M.	Dorchester—	De Mattos, J. H.	M.
	Hildreth, W. A.	M.	Dartmouth—	Taylor, Eng. Comm.	M.	Dorking—	Lakin-Smith, C.	A.M.
	Holroyd, V. A.	A.M.		C. G.			Blaker, W. H.	A.M.
	Iden, G.	M.	Darwen—	MacIvor, A.	M.	Douglas—		
	Lea, R. H.	M.		Deal—		Dudley—	Cochrane, J. B.	M.
	Martin, P.	A.M.		Lewis-Dale, H. A.	A.M.		Fletcher, J. E.	M.
	Meek, J.	M.	Derby—	Acfeld, W. C.	M.	Dukinfield—	Coombs, J. A.	A.M.
	Pugh, C. V.	M.		Atherton, W. H.	M.		Oldham, F.	M.
	Pugh, J. V.	A.M.		Bain, D.	M.		Oldham, T.	M.
	Rich, S. C. G.	G.		Bell, F.	A.M.	Durham—	Bain, L. G.	A.M.
	Robinson - Embury,			Buxton, R. H.	A.M.		Oldham, G.	M.
	Capt. R. P.	M.		Conradi, C. G.	A.M.	Earls Colne—	Hunt, F.	A.M.
	Rogers, W. I.	A.M.		Deeley, R. M.	M.	Eastbourne—	Bowen, C. W.	A.M.
	Starley, W.	A.		Eastwood, T. C.	M.		Creighton, J.	A.M.
	Thorne, H. H.	A.M.		Farnsworth, A. W.	A.M.		Rodda, J. T.	A.M.
	Vernon, P. V.	M.		Farnsworth, F. S.	A.M.	East Molesey—	Scott, W. H.	M.
	Whitehead, T. R.	M.		Foster, E.	A.M.	Eccles—	Bennis, A. W.	M.
	Wright, I. H.	A.M.		Fowler, H.	M.		Chatwood, A. B.	M.
Cowes—	Alexander, H. M.	G.		Guest, C. H.	M.		Simpson, W.	A.M.
	Carnt, E. C.	M.		Haslam, Sir A. S.	M.		Stead, W.	M.
	Forster, A.	A.M.		Haslam, A. V.	A.M.	Elstree—	Braithwaite, C. C.	M.
Cradley—	Swindell, J. S. E.	M.		Haslam, W. G.	M.	Eltham—	Kerr, R. F.	A.M.
				Hill, J.	M.		Roberts, E. G. L.	G.
Cradley Heath—	Cowdell, H. C.	M.		Hodges, F. G.	M.	Enfield Lock—	Ashton, H. T.	M.
				James, T.	M.		Carnegie, F.	M.
Craven Arms—	Smythe, A. T.	A.M.		Jones, C. H.	M.	Epsom—	Holmstrom, C. A.	M.
Crayford—	Heath, G. W.	M.		Koetter, A.	A.M.	Erith—	Everington, C. G.	G.
	Lawrence, M. R.	M.		Mills, R.	M.		Howard, P.	G.
	Rapson, J. T.	A.M.		Osborne, T. P.	M.		May, C. R.	M.
Crewe—	Bathe, C. D. D.	G.		Ottewell, A.	M.		Seller, E.	A.M.
	Eaton-Shore, G.	M.		Paget, C. W.	M.		Sharpe, G.	A.M.
	Goodeve, T. E.	A.M.		Rosevere, R. G.	A.M.		Smart, A.	M.
	Ivatt, H. G.	G.		Rudder, F. P.	A.M.		Ticehurst, H. G.	M.
	Jervis, B. C.	G.		Smith, W. J.	A.M.		Whitmore, F. L.	M.
	Lacey, O. B.	G.		Summerfield, R. D.	A.M.			
	Oke, F. R.	M.		Surtees, H. W.	M.			
	Tandy, J. O'B.	M.		Swingler, A.	M.			
	Thorne, D. S.	G.		Whitehead, R. D.	A.M.			
	Whale, G.	M.		Wooliscroft, G. W.	M.			
Croydon—	Cabena, R. H.	A.M.		Worthington, W. B.	M.			
	Cramb, A. C.	A.M.	Dereham—	Jewson, H.	A.M.			
	Cuthell, E. A.	A.M.						
	Harris, H. B.	A.M.	Devonport—					
	Holmes, H.	A.M.		Crocker, J.	M.			
	Housman, R. F. A.	A.M.		Dodridge, F.	A.M.			
	Lagerwall, F. G.	A.M.		Stocker, Eng. Lt. P.	M.			
	Omant, P. L.	A.M.		Willsteed, C. W.	A.M.			
	White, T. H.	A.M.	Devoran—	Visick, C.	A.M.			

Exeter—		Gloucester—		Halstead—	
Grove, H.	A.M.	Fielding, J.	M.	Hawkins, E. S.	A.M.
Hodges, M. H.	M.	Fox, S. A.	A.M.	Hampton Wick—	
Ingram, S.	M.	Goold, W. T.	M.	Fitzgerald, W. A.	G.
Pickering, W. S.	A.M.	Howard, J. W.	M.	Hanley—	
Ree, R. J.	A.M.	Johnston, L.	A.M.	Smith, T. J.	A.M.
Simpson, S.	A.M.	Montague, G.	A.M.	Hanley Swan—	
Toms, R.	A.M.	Scott, C. H.	M.	Maylor, W.	M.
		Sisson, W.	M.	Hanworth—	
		Weaver, H. J.	A.M.	Pettit, C. W.	A.M.
Fairford—	M.	Godalming—		Harrington, Cumbd.—	
Day, G. C.		Burdock, A.	G.	Pimm, A. W.	A.M.
Falmouth—		Grantham—		Harrogate—	
Cox, H. H.	M.	Anstey, H. C.	M.	Fuller, E. W.	A.M.
Stephens, C. R.	M.	Castle, A. S.	G.	Johnson, H.	A.M.
Farnborough—		Groom, I. S. W.	A.M.	Wilkinson, G.	M.
Garland, F. J.	A.M.	Hornsy, J.	M.	Harrow—	
Farnham—		James, C., Jun.	M.	Rose, S. D.	A.M.
Talbot, F. W.	A.M.	Roberts, D.	M.	Hartlepool—	
Farnworth—		Gravesend—		Cheesman, W. T.	M.
Hutchinson, A. J.	A.M.	Brownjohn, W. H.	A.M.	McBride, W.	M.
Leach, R. B.	A.M.	Clark, R. G.	A.M.	Morison, D. B.	M.
Faversham—		Muirhead, R.	M.	Neilson, R. M.	A.M.
Semark, C. H.	A.M.	Sandford, H.	M.	Wormum, J. R.	A.M.
Felsted—		Taylor, C. P.	A.M.	Harwich—	
Morgan, D. H.	A.M.	Wright, R. O.	A.M.	Blenkinsop, J. N.	M.
Fence Houses—		Grays—		Hastings—	
Lishman, T.	M.	Goodyear, W.	A.M.	Ferguson, R. F.	A.M.
Fleetwood—		Hill-Willis, S. A.	A.M.	Nash, H. A. F.	G.
Boyd, H.	A.M.	Great Malvern—		Hayle—	
Foster, S.	A.M.	Stephenson-Peach,		Harvey, F. H.	M.
Hansom, O.	A.M.	W. J.	M.	Hawkins, T. S.	A.M.
Robertson, J. A.	A.M.	Great Yarmouth—		Haywards Heath—	
Folkestone—		Back, W. H.	A.M.	Channon, P. P.	A.M.
Hesketh, T.	A.M.	Pertwee, H. A.	A.M.	Hednesford—	
Lewis, G.	M.	Greenhithe—		Bumsted, F. D.	M.
Mumford, C. E.	M.	Holthouse, C. S.	G.	Chandler, N.	M.
Nichols, A. E.	A.M.	Grimsby—		Williamson, R. S.	A.
Gainsborough—		Bulwer, E. H. E.	M.	Helston—	
Cribb, F. J.	M.	Wood, W. J.	M.	Hodge, J.	A.M.
Head, G. B. D.	G.	Guide Bridge—		Henley-on-Thames—	
Marshall, H. D.	M.	Clarke, L. T.	A.M.	Bate, Col. C. M.	M.
Marshall, H. J.	M.	Guildford—		Highbridge—	
Marshall, J.	M.	Lloyd, W. E.	G.	Whitaker, A.	M.
Maw, T. F.	A.M.	Malthus, R.	G.	Hitchin—	
Newell, E.	M.	Halifax—		Innes, A. M.	A.M.
Powell, H.	G.	Bentley, W.	M.	Spencer, A. L. H.	A.M.
Wilkinson, W. H.	A.M.	Butler, J.	M.	Spencer, W. E. S. H.	A.M.
Wood, C. G.	G.	Campbell, H.	M.	Horley—	
Gateshead—		Gledhill, A. H.	A.M.	Bennett, M. H.	A.M.
Baister, C.	M.	Hadwen, F. W.	A.M.	Horsham—	
Carrington, G.	A.M.	Hardy, J. H.	A.M.	Renwick, R.	A.M.
Copperthwaite, R. A.	M.	Kersey, A. T. J.	A.M.	Waugh, H. N. D.	A.M.
Cowens, W. E.	M.	Marsden, W.	A.M.	Horwich—	
Gibb, M. S.	A.M.	Marshall, L.	M.	Attock, F. W.	A.M.
Raven, V. L.	M.	Marsland, J. S.	M.	Gibson, D.	M.
Stamer, A. G.	M.	Naylor, S.	M.	Hughes, G.	M.
Stamer, J. H.	G.	Pogson, J.	M.	Jones, A. D.	M.
Walker, H.	M.	Priestley, A.	G.	Shawcross, G. N.	M.
Woodeson, W. A.	M.	Redman, J.	M.	Winder, O.	M.
Worsdell, W.	M.	Shaw, T. R.	A.M.		
Gillingham—		Snoxell, G. E.	M.		
Cross, W. M.	A.M.	Stirk, G.	M.		
Glossop—		Thomas, F. W.	M.		
Sharpe, T. W.	M.	Widdowson, E. L.	A.M.		

Houghton-le-Spring—		Ipswich (cont.)—		Leeds—	
Hunton, W.	A.M.	Cooper, A.	A.M.	Ainscough, W.	A.M.
		Davies, E. J.	M.	Bailie, J. D.	M.
		Hartley, H. A.	A.M.	Baxandall, R. F.	A.M.
		Horsnaill, W. O.	A.M.	Beanland, F.	A.
		Jefferies, H. S.	M.	Beaumont, Prof. R.	M.
		Kidner, A. E.	A.M.	Bentley, P.	A.M.
		Moule, F. O.	M.	Benton, W. J.	M.
		Power, R. T.	G.	Berry, H.	M.
		Rainer, E. A.	A.M.	Blackburn, G. W.	M.
		Ripley, P. E.	M.	Boorman, J. A.	M.
		Scott, W. L.	A.M.	Bottomley, J. W.	M.
		Turner, F.	M.	Bowler, T.	M.
		Turner, F. W.	A.M.	Bruce, R. A.	M.
		Unsworth, R. H.	M.	Buckley, P.	A.M.
				Butler, E.	M.
				Butler, H. M.	M.
				Campbell, A.	M.
				Carr, C. R.	A.M.
				Clark, E. K.	M.
				Clarkson, S. S.	A.M.
				Close, H. A.	A.M.
				Creighton, H.	A.M.
				Daniel, W.	M.
				Daniel, W. H.	A.M.
				Davy, D.	A.M.
				Denison, S.	M.
				Dickinson, H.	M.
				Dougill, A. H.	A.M.
				Dunn, J.	A.M.
				Eastwood, W.	M.
				Edwards, J. G. B.	A.M.
				Evers, J. H.	M.
				Fiegehen, E. G.	A.M.
				Foster, H. P.	G.
				Fowler, R. H.	M.
				Gearing, E. G.	M.
				Goodman, Prof. J.	M.
				Graham, J.	M.
				Graham, M.	M.
				Greaves, H. J.	A.M.
				Greaves, W.	M.
				Green, W. P.	M.
				Greenwood, A.	M.
				Grover, F.	M.
				Grunwell, H.	M.
				Hamilton, G. C.	M.
				Harcourt, O. S. H.	M.
				Hartnell, W.	M.
				Hinchliffe, G. W.	A.M.
				Hodson, G. C.	A.M.
				Holgate, C. H.	M.
				Holt, R. B.	A.M.
				Hunter, J.	M.
				Jackson, T.	M.
				James, C. W.	M.
				Jeffreys, E. H.	M.
				Jennings, H. H.	M.
				Johnson, F. A.	A.M.
				Johnson, W. W.	A.M.
				Jopling, H. L. W.	A.M.
				Kaye, W. K.	M.
				Kitson, Rt. Hon. Sir J.	M.
				Kremnitz, H.	A.M.
				Lambert, H.	M.
				Lane, F. L.	M.
				Lawson, F. W.	M.
				Leisse, G. C.	M.
				Lupton, H.	M.
				Lupton, N. D.	A.M.
				Lupton, W. W.	M.
				Mason, J. F.	A.M.
				McLaren, H.	M.
				McLaren, J.	M.

Leeds (cont.)—

McLaren, J. A.	M.
Meysey-Thompson, A. H.	M.
Middleton, R.	A.M.
Moore, T. R.	M.
Morrison, R. P.	M.
Musgrave, J. R.	M.
Myers, H. S.	M.
Parke, H. R.	A.M.
Parr, G. D. A.	A.M.
Rapley, F. H.	M.
Reay, T. P.	M.
Redding, W.	A.M.
Rhodes, E.	A.M.
Richardson, J.	M.
Richardson, J. S.	G.
Ripley, H.	A.M.
Sciven, C.	M.
Seymour, H. W.	A.M.
Shanks, A. T.	M.
Sharp, R. G.	M.
Sinclair, H.	M.
Smith, F. H.	A.M.
Smith, T.	M.
Smith, W. T.	A.M.
Somers, R. M.	A.M.
Sturgeon, W. E.	A.M.
Sunderland, W.	A.M.
Tannett-Walker, A. T.	M.
Towler, A.	M.
Wallis, G. P.	M.
Wardle, E.	M.
Watney, T. S.	M.
Watson, F. L.	M.
Watson, G.	M.
Watson, J. F.	M.
Weston, T. W.	M.
Whitehouse, E. E. J.	M.
Wicksteed, J. H.	M.
Wigram, W. G.	A.M.
Wivill, F. C.	M.

Leicester—

Atkinson, R. E.	M.
Bennion, C.	M.
Brooks, J. F.	A.M.
Flockton, B. P.	M.
Gimson, A. J.	M.
Gimson, H.	G.
Hill, F. J.	A.M.
Jessop, G.	M.
Keay, J. A.	M.
McDermott, H.	A.M.
Meadows, A.	G.
Peet, H. C.	A.M.
Pulsford, F. C.	A.M.
Richards, H. W. H.	M.
Taylor, W.	M.
Wootton, J.	M.

Leigh, Lancs.—

Sutcliffe, E. R.	A.M.
Swarbrick, F.	G.

Leiston—

Garrett, F.	M.
Garrett, F., Jun.	A.M.
Smith, L. W.	A.M.

Letchworth—

Bullmore, A. W. E.	A.M.
King, H. E.	G.
Wort, W. E.	A.M.

Lewes—

Sugigate, C. F. D.	G.
Lichfield—	
Knottesford-Fortescue, J. N.	A.M.
Limpsfield—	
Barry, A. P.	A.M.
Stirling, R.	M.
Lincoln—	
Bell, W. T.	A.M.
Brewer, A. E.	A.M.
Brown, A. M.	M.
Bull, T. P.	A.M.
Chew, L.	A.M.
Collis, A. E.	M.
Curtis, V.	G.
Duckering, C.	M.
Gash, L. C.	A.M.
Haan, P. de	G.
Harrison, F. H.	M.
Lewis, F. W.	A.M.
Livens, F. H.	M.
Marten, H. B.	A.M.
Nicholas, D. C.	A.M.
Orcutt, H. F. L.	M.
Perry, F. B.	G.
Rainforth, W.	M.
Richardson, J.	M.
Sharpley, G. R.	M.
Shuttleworth, A.	M.
Shuttleworth, Lt.-Col. F.	M.
Tritton, W. A.	A.M.
Wallis, G. P.	G.
Wesley, J. A.	M.
Liss—	
Tyrrell, Lt. W. G.	G.
Littlehampton—	
Duke, R. F.	A.M.
Liverpool—	

Liverpool—

Anderson, J. W.	M.
Armistead, T. W.	M.
Armour, J. G.	M.
Atkins, A. H.	G.
Atkins, E. A.	A.M.
Barnes, J. E. L.	M.
Bayley, G. R.	M.
Beard, W. K.	A.M.
Bell, A.	A.M.
Bremner, J., Jun.	A.M.
Brodie, J. A.	M.
Buchanan, J.	M.
Chubb, R.	A.
Cottrell, S. B.	M.
Crawford, J. F.	A.M.
Dall, J.	M.
Duff, E. J.	M.
Fowler, A. F.	M.
Fyfe, C. F. A.	A.M.
Geddes, C.	M.
Gilling, A. H.	M.
Given, E. C.	M.
Grindley, J. H.	M.
Harris, W.	M.
Heap, W.	M.
Hepburn, G.	M.
Holliek, A. S.	A.M.
Honiball, C. R.	M.
Hope, A.	A.M.
Hutchinson, R. J.	A.M.
Jones, S. P.	A.M.

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Kenyon, G. C.	A.M.
Kermode, J. J.	M.
King, W.	M.
Lambert, W. F.	M.
Layborn, D.	M.
Leonard, P.	A.M.
Macaulay, J.	A.M.
Mansfield, A.	A.M.
Mansfield, W.	A.M.
Mason, W.	A.M.
Matthews, J.	M.
Melville, W. C.	M.
Miller, D.	M.
Miller, T. L.	M.
Monkhouse, F. L.	A.M.
Muckley, W. H.	M.
Musker, A.	M.
Musker, C.	M.
Neachell, E. J.	A.M.
Newall, J. M.	M.
O'Brien, B. T.	M.
Owen, T.	M.
Owens, P. R.	M.
Page, J. H.	M.
Parry, A.	M.
Price, W. F.	A.M.
Prockter, G. H.	A.M.
Rayner, H.	G.
Richmond, W. P.	A.M.
Roberts, H. J.	M.
Ronald, L. R.	G.
Scott, F. M.	M.
Shield, H.	M.
Sloan, R. A.	M.
Smith, J.	M.
Smith, J. R.	M.
Taylor, W.	M.
Thomas, J. M.	M.
Thompson, W. P.	M.
Vaux, W.	M.
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Wilson, A. C.	M.
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Woodhouse, N.	A.M.
Woods, A. R. T.	M.
Wright, F.	A.M.
Wyllie, J.	M.
Young, F. W.	M.
Liversedge—	
Deacon, R. W.	M.
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Adams, W. J.	M.
Adamson, C. J.	M.
Adinsewich, A. V.	A.M.
Aitken, A. J.	G.
Aiton, J. A.	M.
Alexander, J. G.	A.M.
Algarn, S. C.	G.
Allcard, H.	M.
Allen, C. E.	A.
Allensby, C. R.	A.M.

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Barker, G.	M.	Bremner-Davis, W. J.	G.	Chapman, H.	M.
Barley, C. J.	M.	Bressey, S. F.	G.	Chapman, L.	M.
Barnard, A. G.	G.	Brewer, E. G.	M.	Charlton, Eng. Lt. F. J. M.	M.
Barnes, J. E.	G.	Brewer, R. W. A.	A.M.	Chivell, W. R.	G.
Barnwell, E. A.	G.	Brewster, E. H. G.	M.	Christmas, E. B.	A.M.
Barringer, H.	M.	Bridge, W. J.	G.	Chubb, H. E.	A.M.
Barrington, T. B.	G.	Bridges, W.	M.	Clare, E.	A.M.
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Barton, A.	A.M.	Brooks, H. G.	A.M.	Clark, T. F.	M.
Bartram, H. A.	A.M.	Brophy, M. M.	M.	Clarke, R. B.	G.
Bateman, J. T.	M.	Brotherhood, S.	M.	Clay, C. B.	M.
Beale, B. R.	M.	Brousson, R. P.	M.	Clayton, C. H. J.	A.M.
Beard, A. C.	M.	Browett, T.	M.	Cleave, A. H. W.	M.
Beaumont, W. W.	M.	Brown, A.	M.	Cleland, J.	G.
Beck, A. E.	A.M.	Brown, Capt. F. A. W.	M.	Clemence, W.	M.
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Begbie, S. D.	M.	Brown, H.	M.	Clifford, A. C.	G.
Beldam, A.	M.	Brown, H.	A.	Clift, C. E.	M.
Bell, C. S.	A.M.	Brown, J. C.	M.	Clifton, G. B.	M.
Bell, R. A.	G.	Brown, J. F.	M.	Clifton, W. G.	A.M.
Bell, W.	A.M.	Brown, T. E. B.	A.M.	Cloake, W. H.	M.
Bellamy, C. G. H.	G.	Bruce, Sir G. B.	M.	Cloud, J. W.	M.
Belsham, M.	M.	Bruce, J. G.	A.M.	Clutterbuck, H.	M.
Benington, E. S.	A.M.	Bruce, R.	M.	Coates, V. H.	M.
Bennett, A. T.	A.M.	Brückmann, O. J.	G.	Cobbold, A. W.	A.M.
Bennett, F. E.	G.	Brunlees, J.	M.	Cochrane, G.	M.
Bennett, F. S.	A.M.	Bryan, W. B.	M.	Cochrane, Capt. T. H. M.	M.
Bennett, F. W.	A.M.	Buckham, G. T.	M.	Codd, T. J.	A.M.
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				Cole, J. M.	A.M.

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 Coleridge, H. H. A.M.
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 Collingridge, H. G.
 Collinson, A. M.
 Colyer, F. M.
 Conradi, J. S. A.M.
 Cook, A. B. M.
 Cook, J. N. M.
 Cooksley, A. A.M.
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 Cooper, R. M.
 Cooper, T. M.
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 Cormack, Prof. J. D. M.
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 Crawford, W. W. M.
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 Crewe, H. T. M.
 Critchley, J. S. M.
 Croft, C. M. G.
 Crompton, Col. R. E. B. M.
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 Cross, J. W. A.M.
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 Curtis, I. A.M.
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 Cutler, G. B., Jun. G.
 Cutler, S. M.
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 Dania, G. M.
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 Day, C. A. S. A.M.
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Taylor, A. B.	A.M.
Taylor, C. A.	A.M.
Taylor, E. B.	M.
Taylor, H. L.	G.
Taylor, J. H.	A.
Taylor, R. H.	M.
Taylor, W. L.	M.
Tchighianoff, A.	G.
Tennant, W. J.	M.
Terry, S. H.	M.
Thom, J.	A.M.
Thomas, J. L.	M.
Thompson, A. B.	A.M.
Thompson, F. W.	A.M.
Thompson, G. W.	M.
Thompson, H.	A.M.
Thompson, T.	A.M.
Thorne, L.	G.
Thornycroft, J. E.	A.M.
Thornycroft, Sir J. I.	M.
Thorpe, W. B.	A.M.
Threlfall, G.	M.
Timothy, E.	G.
Tomes, J. P.	G.
Tottle, E. G.	M.
Touche, J. E.	M.
Townsend, W.	A.M.
Tregoning, W. H.	A.M.
Trentham, W. H.	M.
Tresham, L. D.	A.M.
Trier, F.	M.
Trotter, A. P.	M.
Trotter, W. B.	G.
Troughton, H. J.	G.
Tully, W.	M.

London (cont.)—

Tunnicliffe, W. G.	A.M.
Turner, E. H.	A.M.
Turner, H. A.	A.M.
Turner, V.	A.M.
Turpin, W. A.	A.M.
Twelvetrees, R. W. R. G.	M.
Twelvetrees, W. N.	M.
Tyler, Sir H. W.	M.
Ullmann, W. C.	M.
Umney, H. W.	M.
Underwood, A. L.	A.M.
Urie, R. W.	M.
Usherwood, T. S.	A.M.
Vallat, H. H.	A.M.
Valon, W. A. M.	M.
Vavasseur, J.	M.
Vernon, C. E.	M.
Vesian, J. S. E. de	M.
Vezey, A. E.	A.M.
Waddington, J.	M.
Waddington, R.	M.
Waddy, A. W.	A.M.
Wadham, A.	A.
Wainwright, J. W.	M.
Wainwright, W. H.	A.M.
Walker, Alfred	A.M.
Walker, A. E.	A.M.
Walker, C. A.	G.
Walker, F. J.	M.
Walker, H. C.	M.
Walker, W. G.	M.
Walker, W. P.	A.M.
Wall, C.	A.M.
Wallace, C. P.	A.M.
Wallace, J. C.	M.
Wallach, L. C.	A.
Waller, W.	M.
Walton, D.	A.M.
Wans, O.	A.M.
Warburton, J. S.	M.
Ward, J. C.	A.M.
Warden-Stevens, F. J. M.	M.
Warner, J. S.	A.M.
Warren, F. L.	M.
Warren, R.	M.
Warwick, P. W.	G.
Watchurst, C. L.	M.
Waterlow, D. S.	A.
Watkins, A.	M.
Watkinson, F. G.	M.
Watson, G.	M.
Watson, G. C.	M.
Watson, R.	A.M.
Watts, Sir P.	M.
Way, E. J.	M.
Waynfirth, H. M.	M.
Weatherburn, R.	M.
Webb, J. F.	A.M.
Webster, J. J.	M.
Wedekind, J. E.	A.M.
Wellington, J. M.	A.M.
Wells, E. N.	A.M.
Wells, J. M.	A.M.
Wells, S. H.	A.M.
West, E. H.	M.
Western, C. R.	M.
Western, M. R.	M.
Weston, G. C.	A.M.
Weston, W. N.	A.M.
Wetherell, R. E. C.	A.M.
Wheaton, H. J.	G.
White, R.	M.
White, W. E.	A.M.

London (cont.)—

White, Sir W. H.	M.
Whitehead, A.	M.
Wickham, O.	G.
Wicks, H.	M.
Wigham, J. C.	G.
Wilby, F. B.	M.
Wilding, J. A.	A.M.
Wildy, W. L.	M.
Wilkinson, E. R.	M.
Wilkinson, F. A.	M.
Wilkinson, H. D.	M.
Willcox, B. B.	G.
Williams, Albert E.	A.M.
Williams, Arthur E.	A.M.
Williams, C. E.	A.M.
Williams, G. B.	A.M.
Williams, H.	M.
Williams, H. L.	G.
Williams, H. R.	G.
Williams, J. E.	A.M.
Williams, W. D.	A.M.
Williams, W. F. M.	M.
Williamson, E.	A.M.
Willshear, E.	A.M.
Wilson, F.	A.M.
Wilson, John	M.
Wilson, J. W.	M.
Wilson, T. D.	A.M.
Wilton, L. E.	A.M.
Windsor, A. W.	A.M.
Winebloom, A. V.	A.M.
Wingfield, C. H.	M.
Wingfield, D. C.	M.
Winston, H. H.	M.
Wise, Sir W. L.	M.
Wolfe, J. E.	M.
Wood, E. M.	M.
Wood, H. H. E.	A.M.
Wood, J. M.	M.
Wood, S. H.	M.
Wood, W.	M.
Wood, W. P.	A.M.
Woodall, C.	M.
Woof, T.	M.
Woollen, T. H.	M.
Wordingham, C. H.	M.
Worger, D. F.	M.
Worssam, H. J.	M.
Worssam, L. H.	G.
Worssam, R.	G.
Worthington, E.	M.
Wright, B. H.	M.
Wright, E.	A.M.
Wright, F.	A.M.
Wright, H. T.	A.M.
Wyatt, A. J. H.	A.M.
Yarrow, A. F.	M.
Young, G.	G.
Young, G. A.	A.M.
Young, H. W.	A.M.
Young, J.	M.
Zohny, A. S.	G.
Longton—	
Mitchenson, G. A.	M.
Loughborough—	
Andrews, F. E.	A.M.
Burder, W. C.	M.
Coltman, J. C.	M.
Coltman, W. W.	A.M.
Cook, E. E.	M.
Jones, G. P.	M.
Main, G. P.	A.M.

Loughborough (cont.)—

Rixom, A. J. M.
Worsdell, H. M.

Lowestoft—

Brooke, J. W. M.
Brooke, J. W. M. A.M.
Knocker, G. S. A.M.
Morgan, F. J. G.
Reynolds, J. A. M.

Luton—

Ash, A. E. M.
Davies, S. M.
Kitchen, J. A.M.
Selz, R. A.M.
Wiseman, E. A.

Lytham—

Buckley, J. T. M.
Dixon, J. G.
Pooley, H. M.

Macclesfield—

Heathcote, E. H. G.
Pownall, J. H. A.M.
Wade, W. R. M.
Yates, R. C. C. G.

Maidenhead—
Fletcher, A.

Manchester (cont.)—

Brooks, S. H. M.
Broughton, F. A.M.
Brown, C. A. A.M.
Buckley, E. W. M.
Budenberg, C. F. M.
Burcham, R. E. M.
Buttenshaw, G. E. A.M.

Butterworth, J. M.
Carter, W. A.M.
Casson, R. A.M.
Chapman, S. A.M.
Chorlton, A. E. L. M.
Claremont, E. A. M.

Cooper, M. M.
Cooper, W. J. A.M.
Courts, W. C. A.M.
Cox, K. R. W. A.M.
Craven, W. H. S. M.

Crawford, J. M.
Crippin, T. H. M.
Crosland, J. F. L. M.
Crossley, W. J. M.
Cunliffe, R. W. M.

Daniels, G. M.
Darby, A. E. A.M.
Davidson, J. A.M.
Dawson, H. W. A.M.
Deluce, S. A. N. A.M.

Douglas, C. E. A.M.
Dunkerley, Prof. S. M.
Eades, J. Jun. A.M.
Edmondson, A. R. A.M.
Ellison, W. T. A.M.

Ermyn, G. A.M.
Forsyth, R. J. A.M.
Fowler, W. H. M.
Fox, W. M.

Gallé, W. A. A.M.
Goodacre, W. G. A.M.
Green, J. S. A.M.
Griffiths, R. S. G.

Halstead, A. F. M.
Handside, C. B. M.
Haste, F. C. M.
Hattersley, R. L. M.

Heenan, H. M.
Hepworth-Collins, W. A.M.
Hetherington, E. P. M.
Heydeman, H. G. J. A.M.

Hibberd, F. C. A.M.
Higginbotham, G. M.
Higginbottom, L. M.
Higson, J. M.

Hill, E. L. M.
Hill, T. A.M.
Hiller, E. G. M.
Hiller, H. M.

Holliday, C. E. A.M.
Homan, H. M.
Hopkinson, A. A.M.
Hopkinson, C. M.

Hopkinson, E. M.
Hoult, W. A.M.
Howell, T. B. A.M.

Hoy, H. A. M.
Hoy, N. B. G.
Hulley, R. D. M.

Hunter, J. C. A.M.
Huxley, G. M.
Ingham, W. M.

Ingleby, J. M.
Irwin, D. H. M.

Manchester (cont.)—

Jackson, G. J. G.
Jackson, R. H. A.M.
Jameson, W. H. M. A.M.
Jones, T. M.

Jordan, H. G., Jun. M.
Judd, J. H. M.
Kann, J. H. C. G.

Kemp, H. J. A.M.
Lawson, W. A.M.
Lea, J. E. M.

Lewis, L. H. A.M.
Lindley, H. M.
Lister, A. J. A.M.

Lister, R. R. M.
Lithgoe, J. A.M.
Littlejohn, W. A. G.

Longley, H. B. A.M.
Longridge, M. M.
Longridge, R. B. M.

MacLure, W. G. P. M.
Macnab, T. P. A.M.
Mallinson, A. B. A.M.

March, S. H. A.M.
Mason, J. W. V. A.M.
Massey, H. F. M.

Massey, L. F. M.
Mather, Sir W. M.
Matthews, R. M.

McGown, R. A.M.
McLean, A. M. A.M.
McMahon, J. J. M.

Meade, T. de C. M.
Mensforth, H. A.M.
Metcalfe, J. M.

Montgomery, C. H. A.M.
Mortimore, W. M.
Murphy, W. A.M.

Murray, D. J. G.
Nasmith, J. A.M.
Nicholson, E. A.M.

Nicholson, H. M.
O'Brien, J. O. M.
Parrott, A. G. A.M.

Peacock, R. M.
Pearce, S. L. M.
Pirie, R. H. G. G.

Platt, J. M.
Pole-Wedlake, R. W. A.M.

Pollitt, H. M.
Price, J. B. M.
Rayner, H. S. A.M.

Renold, H. M.
Ride, S. M.
Rigby, T. A.M.

Ritchie, T. E. A.M.
Roberts, H. M.
Robertson, G. F. A.M.

Robinson, J. M.
Robinson, J. G. M.
Rolfe, H. M.
Rose, W. A. G.
Row, O. M. M.

Rowland, B. R. M.
Royce, F. H. M.
Roylance, A. H. M.
Salter, J. R. A.M.

Saxon, A. M.
Saxon, G. M.
Saxon, J. M.
Sayers, R. J. H. M.
Seaman, C. J. M.

Seymour, E. S. A.M.
Shaw, W. C. A.M.

Manchester (cont.)—

Sheffield, T. W.	A.M.
Shelmerdine, E. D. S. G.	G.
Shirreff, J. A.	G.
Singleton, W. A.	A.M.
Smethurst, W.	M.
Smith, A.	A.M.
Smith, H.	A.M.
Smith, J. W.	M.
Spencer, M.	M.
Spencer, P.	A.M.
Spencer, W.	M.
Sprott, R. E.	M.
Stadelbauer, A.	G.
Stanley, H. F., Jun.	A.M.
Stratton, J.	M.
Stromeyer, C. E.	M.
Stubbs, J. H.	M.
Sumner, G. G.	A.M.
Sumner, L.	A.M.
Symonds, P. H.	A.M.
Taylor, W. R. C.	A.M.
Tetlow, E.	M.
Thorneley, W.	M.
Turner, A.	M.
Turner, W.	A.M.
Urie, J. B.	A.M.
Urquhart, R. J.	A.M.
Vaughan, W. H.	M.
Wadams, S. J.	G.
Walker, R.	M.
Wallwork, R.	M.
Walton, W. R.	A.M.
West, J.	M.
Whitehead, J. P.	A.M.
Willcocks, F. R.	M.
Williams, Sir E. L.	M.
Williams, V. L. N.	A.M.
Wollaston, T. R.	M.
Wood, W. A.	A.
Worthington, S. B.	M.
Wright, T.	M.
Yates, J.	M.
Yates, W.	M.
Youatt, C. S.	A.M.

Mansfield—

Sanderson, H. W.	A.M.
Withers, J.	A.M.

Margate—

Reeve, F. H.	G.
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Matlock-Bath—

King, C. P.	M.
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Melksham—

Murray, T. R.	M.
Roy, W.	M.

Melton Constable—

Marriott, W.	M.
Newman, W. E.	M.

Middlesbrough—

Chambers, T. H. W.	M.
Cooper, A.	M.
Duck, W. H.	A.M.
Harrison, J. H.	M.
Harrison, N. S. A.	A.M.
Macleod-Carey, A. W. J.	A.M.
Marshall, F. H.	M.
Mitchell, J.	A.M.
Nelson, R.	A.M.

Middlesbrough (cont.)—

Panton, W. H.	M.
Sewell, H. W.	A.M.
Stead, J. E.	A.
Talbot, B.	M.
Westgarth, T.	M.
Middlewich—	
Harlock, E. B.	M.
Mildenhall—	
Schofield, G. A.	M.
Millom—	
Vaughan, C.	M.
Milton, Northamptonshire—	
Alexander, E. D.	M.
Newark—	
Abbott, T.	M.
Asbury, G. E.	M.
Bressey, C. E.	A.M.
Josselyn, E.	A.M.
Owston, W. H.	A.M.
Ransome, A.	M.
New Brompton—	
Chalmers, A. D.	A.M.
Newcastle-on-Tyne—	
Abel, W. R.	M.
Allan, G., Jun.	A.M.
Arkwright, B. G.	M.
Baker, H. H.	A.M.
Baldwin, C. E.	A.M.
Barrs, E.	G.
Bates, H. H.	G.
Billetop, T. C.	M.
Brackenbury, H. L.	M.
Browne, Sir B. C.	M.
Browne, B. C., Jun.	M.
Casebourne, A. C.	A.M.
Clatworthy, W. A.	A.M.
Claughton, G.	A.M.
Crosier, E. J.	A.M.
Dalton, W. T.	A.M.
Dunkerton, E. C.	A.M.
Fife, F. G.	G.
Fletcher, W.	M.
Forster, A. L.	M.
Gibb, N.	G.
Girling, H. C.	A.M.
Hedley, R.	M.
Hedley, W. S.	A.M.
Holmes, J. H.	M.
Holmes, R. J. M.	A.M.
Hunter, G. L.	M.
Lawrence, H.	M.
Mountain, W. C.	M.
Orde, E. L.	M.
Peart, J.	M.
Philipson, J.	G.
Philipson, W.	G.
Proctor, C. F.	M.
Redman, S. G.	A.M.
Ridley, J. C.	M.
Ridley, J. C., Jun.	A.M.
Rolf, G.	A.M.
Scott, E.	G.
Scott, W.	A.
Sharp, W.	A.M.
Sheffield, G. H.	M.
Smith, W.	M.

Newcastle-on-Tyne (cont.)—

Spencer, J. A. B.	M.
Spencer, J. W.	M.
Swinburne, M. W.	M.
Trail, J.	M.
Tweedy, J.	M.
Twinberrow, J. D.	M.
Vickers, E. J.	A.M.
Wallace, J.	M.
Watson, H. B.	M.
Watson, T. J.	M.
Watson, W. C.	M.
Watt, A.	M.
Westmacott, H. A.	M.
Westmacott, P. G. B.	M.
Weyman, J. E.	M.
Young, J.	M.
Younger, R.	M.
Newhaven—	
Fisher, H. B.	M.
Newport, Salop—	
Forster, R.	A.M.
Newton Abbot—	
Giles, B.	M.
Northampton—	
Claret, W. E.	A.M.
Grose, A.	M.
Hannah, J. C.	A.M.
Jackson, G. H.	M.
Mobbs, H.	G.
Moncrieff, R. W.	A.M.
Prance, C. R.	A.M.
Wilson, J.	A.M.
Northfleet—	
Jeff, W.	A.M.
North Shields—	
Atkinson, J. T.	G.
Northwich—	
Boyd, W.	A.M.
Bullock, R. C.	A.M.
Cook, J.	A.M.
Hollows, A.	A.M.
Yarwood, W. J.	M.
Northwood—	
Schultz, G. C.	G.
Norwich—	
Banister, A. N.	M.
Howard, H. J.	G.
Kendall, A. H.	G.
Pillow, E.	M.
Stonebridge, A. W.	A.M.
Nottingham—	
Ahrons, E. L.	M.
Alliott, J. B.	M.
Babington, E. B.	A.M.
Bond, G. C.	M.
Brookhouse, F. H.	A.M.
Cleaver, A.	M.
Cowen, E. S.	M.
Cowen, G. R.	M.
Crosta, L. W.	M.
Davies, F. W.	A.M.
Donne, F. E. M.	A.M.
Edmonds, H. M.	G.

Nottingham (cont.)—		Peterborough (cont.)—		Reading—	
Elborne, E. M.	G.	Pointon, J. E.	A.M.	Binns, W.	M.
Emerson, W. A. I.	A.M.	True, R. A.	A.M.	Brown, G. W.	M.
Fothergill, S. F. W.	A.M.	Turner, E. W.	A.M.	Brown, W. L.	A.M.
Hind, E.	A.	Turner, J. A.	A.M.	Carter, H. C.	A.M.
Hodgson, W. J.	G.			Cooper, A. T.	M.
Hunt, W.	M.	Petersfield—		Hart-Davis, H. V.	G.
Inchley, W.	G.	Tillard, T. A.	G.	Hurd, M.	A.M.
Johnson, S. W.	M.			Lawson, J. C. S.	A.M.
Marsh, C. K.	G.	Pinner—		Marshall, W. J.	A.M.
McTurk, A. G.	A.M.	Inglis, W. R. H.	A.M.	Meaden, N.	M.
Miller, J. S.	M.			Moinet, J. V.	A.M.
Mills, G. P.	M.	Pitsea—		Muirhead, D.	A.M.
Paton, J. M. C.	M.	Spiller, C.	A.M.	Orme, C. T.	G.
Phillipps, J.	A.M.	Turton, W. H.	M.	Routh, W. P.	M.
Pinkney, T. S.	A.M.			Stedman, G. P. W.	A.M.
Potter, W. H.	M.	Plymouth—		Sutton, H. R.	A.M.
Reader, R.	M.	Back, A. C. L.	M.	Swaffield, N.	A.M.
Robinson, Prof. W.	M.	Hoyte, P. S.	A.M.	Witherington, C. H.	G.
Schluter, H.	G.	Lishman, J. J.	A.M.		
Sheldon, H. C.	M.	Luke, R. M.	A.M.	Redditch—	
Smith, H. W.	A.M.	Neal, R. H. B.	A.M.	Smith, R. W.	M.
Smith, I.	M.	Skelton, Eng. Lt. R. W.	M.		
Taylor, W.	M.			Relgate—	
Turney, Sir J.	M.	Taylor, G. S.	A.M.	Gritten, S. E.	G.
Ward, C. W. D.	G.			Spink, H. M.	G.
Wardle, F. H.	A.M.	Polegate—		West, N. E.	G.
Warsop, T.	M.	Gwynne, J. E. A.	M.		
Westmoreland,		Poole—		Retford—	
J. W. H.	M.	Aston, R. G.	G.	Jenkins, W. J.	M.
Worth, H. N.	G.	House, H. A., Jun.	M.		
Oakengates—		Portland—		Rochdale—	
Holland, B. A.	A.M.	Beck, J.	A.M.	Backhouse, J.	A.M.
Procter, J.	M.			Bridge, A. G.	A.M.
Smith, I. H.	A.M.	Portsmouth—		Brooke, H.	A.M.
Oakham—		Ashley, H.	M.	Butterworth, J.	G.
Lee, W. H.	A.M.	Brown, Capt. F.	M.	Carter, F.	A.M.
Old Charlton—		Hollingsworth, F.	G.	Fielden, J. P.	M.
Bailey, D. E.	G.	Hurst, B. L.	A.M.	Hawkins, T. W.	M.
Pope, A. P.	A.M.	Lamb, S. E.	A.M.	Kershaw, G.	A.M.
Oldham—		Lironi, V. G.	M.	Leach, G. B.	G.
Austin, S., Jun.	A.M.	Lonnon, Eng. Comm.		Liebert, H. A.	M.
Charlesworth, S.	M.	W.	M.	Moffet, J. S. D.	M.
Dodd, J.	M.	McCaffery, J.	A.M.	Porritt, L. A.	M.
Dronfield, J.	M.	McDonald, W.	A.M.	Radcliffe, J. J.	A.M.
Dronfield, W.	M.	Woods, H.	A.M.	Robinson, C. J.	M.
Ferguson, R. M.	A.M.			Robinson, T. N.	M.
Hall, H. P.	M.	Prescot—		Storie, G. B.	A.M.
Holland, L. C.	A.M.	Tennant, J.	A.M.	Whitehead, H. F. C.	M.
Howarth, W.	M.			Wilkinson, F.	A.M.
Mannock, J. J.	A.M.	Preston—			
Millington, W. E. W.	G.	Adams, D.	A.M.	Rochester—	
Prosser, N. L.	G.	Bowman, H.	M.	Aveling, T. L.	M.
Sheriff, J. E.	A.M.	Bowman, H. E.	G.	Briggs, R. J. P.	G.
Taylor, R., Jun.	M.	Carwin, J. W.	A.M.	Cheeseman, A. B. E.	G.
Whittaker, J.	M.	Conner, J.	M.	Hurst, Eng. Capt. I. E.	M.
Oswestry—		Dryden, T.	M.	Neate, P. J.	M.
Jones, H. E.	M.	Dryden, W.	A.M.	Watson, J. B.	M.
Oxford—		Grimshaw, G. W.	M.		
Lucy, W. T.	M.	Handy, C. E.	A.M.	Romford—	
Penzance—		Iddon, J.	M.	Bryan, B. W.	A.M.
Corin, P. B.	M.	Lightfoot, K.	G.		
Holman, F.	M.	Moyle, E. C.	A.M.	Romsey—	
Perranwell—		Newman, W. B.	A.M.	Lewish, H. I.	A.M.
Hambly, J.	M.	Nixon, C. B.	A.M.		
Peterborough—		Norris, W.	M.	Rotherham—	
Bazin, J. R.	A.M.	Rogers, E. H.	A.M.	Baker, E.	G.
Harris, W. W.	M.	Spurrier, H.	M.	Baker, H. G.	A.M.
Huntley, H. F.	G.	Viney, H.	A.M.	Bashforth, A.	M.
		Rainhill—		Chrimes, C. E.	A.
		Brearley, F. T.	M.	Cross, E.	A.M.
				Dick, F. W.	M.
				Dyson, R.	M.
				Friedrichs, F. W.	A.M.
				Geach, L. C.	A.M.
				Green, T.	M.
				Jenkins, E. J.	A.M.
				Sanders, G.	A.M.
				Wilson, J. C.	A.M.

Rugby—		Saltburn-by-the-Sea—		Sheffield (cont.)—	
Blyth, E. B.	A.M.	MacCurrach, D. C.	A.M.	Marsh, H. E.	G.
Briggs, E. R.	A.M.			Mascall, A. E.	A.M.
Butcher, W. E.	A.M.			Matthews, T. B.	A.
Cash, E. W.	M.			McKinnel, W.	A.
Cooke, F. W.	A.M.			Meggitt, S. N.	A.
Fox, H. J.	A.M.			Miller, W. T. W.	A.M.
Izod, E. G.	A.M.			Moore, N. S.	A.M.
Larke, W. J.	A.M.			Muncaster, H.	A.M.
Lazenby, A.	M.			Ockendon, W.	M.
Peache, J. C.	M.			Ormsby, E. S.	M.
Robinson, M. H.	M.			Osborn, W. F.	G.
Rogers, E. N. C.	A.M.			Palmer, A.	A.M.
Spicer, F. L.	A.M.			Platts, W.	M.
Wood, R. G.	M.			Radcliffe, W.	M.
Yates, A. T.	A.M.			Radford, R. H.	M.
Runcorn—		Sheerness—		Rasey, A. E.	A.M.
Allen, P. R.	M.	Boxer, Eng. Lt. A. C.	A.M.	Ripper, Prof. W.	M.
Timmins, E.	A.M.	Jacobs, Lieut. J. J.	M.	Sandeman, E.	M.
Wiswall, J. W.	A.M.	O'Neill, J.	M.	Sheldon, J.	M.
Ryde—		Williams, E. T.	A.M.	Simpkin, F. H.	M.
Barry, L. C.	G.			Skinner, A.	M.
St. Albans—		Sheffield—		Stockton, J. S.	M.
Gilechrist, P. C.	M.	Addy, G.	M.	Thursby, T. A.	G.
Peake, R. C.	A.	Alecock, A. E.	A.M.	Tozer, E. S.	A.
Porter, E. W.	A.M.	Allen, W. E.	A.	Unwin, M. E.	A.M.
St. Anne's-on-Sea—		Askham, J. U.	M.	Vickers, A.	M.
Speight, J. W.	A.M.	Bainbridge, E.	M.	Vickers, T. E.	M.
Walsh, T.	A.M.	Barker, J. H.	A.M.	Warlow, F. A.	M.
St. Helens, Lancs.—		Barnes, A.	A.M.	Webster, A. G.	A.M.
Brearley, B. J.	M.	Beck, I.	M.	Webster, F. T.	A.M.
Cook, J. J.	M.	Beckett, J. E.	G.	Wild, A. G.	M.
Daglihan, H. B.	M.	Benfield, J.	A.M.	Williams, J. R.	A.M.
Hollingsworth, E. M.		Bennison, W. C.	A.	Willis, G. O. B.	A.M.
Hyde, G.	A.M.	Berry, F. L.	A.M.	Wilson, Sir A.	M.
Jenkinson, T.	M.	Beven, G. N.	G.	Wood, S.	A.M.
Lackland, J. J.	M.	Bland, F.	M.	Yardley, W. H.	A.M.
Smith, W.	M.	Boulden, F.	A.M.	Yerbury, H. E.	M.
Swallow, J.	A.M.	Brearley, W. H.	M.	Young, S. J.	M.
West, L.	M.	Capron, A. J.	M.		
St. Leonards-on-Sea—		Carnegie, D.	M.		
Ball, C. S.	A.M.	Carr, W. S.	M.		
Salford—		Cleland, W.	M.		
Adams, E.	M.	Cooper, H.	M.		
Bailey, Sir W. H.	M.	Cowen, G. H.	A.M.		
Bates, H.	M.	Craven, J. A.	M.		
Coventry, T.	A.M.	Croslan, J.	M.		
Donovan, E. W.	M.	Davidson, A.	M.		
Gresham, H. E.	M.	Dewhurst, J. H.	M.		
Gresham, J.	M.	Drake, A. P.	A.M.		
Hodgson, W.	M.	Drinnan, J.	A.M.		
Kiernan, G.	M.	Fawcett, P. W.	A.M.		
Larmuth, J. H.	A.M.	Fedden, S. E.	M.		
Larmuth, W. O.	A.M.	Ferranti, S. Z. de	M.		
Morris, J.	M.	Firth, A.	M.		
Morris, J. A.	M.	Foggo, W.	M.		
Oliver, T.	M.	Foster, G.	A.		
Shaw, J.	M.	Foster, R. J.	A.M.		
Smith, R. A.	M.	Fryer, T. J.	A.M.		
Widdowson, J. H.	M.	Gibbins, J. E.	A.M.		
Woods, W. H.	M.	Greaves, W.	A.M.		
Salisbury—		Hadfield, R. A.	M.		
Britton, Capt. E. J. J.	A.M.	Halcombe, S. B.	M.		
Saltash—		Hartley, W. A.	M.		
Longridge, Capt. C. C. M.		Hawksley, C. W.	A.M.		
		Hawksley, G. W.	M.		
		Hill, A. P.	A.M.		
		Hollingsworth, A. A.	M.		
		Howell, S. E.	M.		
		Hoyle, J. R.	M.		
		Ibbotson, W. F.	A.M.		
		Jack, J. H.	A.M.		
		Jackman, J.	A.		
		Johns, C.	M.		
		King, E.	A.M.		
		Lash, H. W.	M.		
		Laycock, W. S.	M.		
		Little, J.	M.		
		MacGregor, J.	M.		
		Mappin, Sir F. T.	M.		

Southampton (cont.)—		Stockton-on-Tees (cont.)	
Dunt, R. A.	A.M.	Johnson, A.	A.M.
Florey, J. W.	G.	Newton, R.	A.M.
Parsons, H.	A.M.	Ringquist, J. M.	M.
Slight, W. H.	M.	Warner, A. W.	A.
Tebbutt, S.	M.	Wrightson, Sir T.	M.
Thomas, F. G.	G.		
Trevithick, R. F.	M.	Stoke-on-Trent—	
Wallau, F. P.	M.	Adams, J. H.	M.
Whitby, A. G.	M.	Bolton, E. J.	G.
Wimshurst, J. E.	M.	Child, G. T.	M.
		Freeman, W. W.	A.M.
Southborough—		Hookham, J. A.	M.
Robins, A. G.	M.	Kidd, J. W.	M.
		Shaw, J.	A.M.
Southend-on-Sea—		Wainford, R. H.	M.
Elford, E. J.	M.		
Fraser, S. R. C.	G.	Stonehouse, Glos.—	
Taylor, A.	A.M.	Stotesbury, R. H.	A.M.
Taylor, C. E.	A.M.		
South Godstone—		Stony Stratford—	
Tartt, W.	M.	Bull, R. F.	A.M.
		Hayes, E.	M.
Southport—			
Field, E. R. W.	G.	Stourbridge—	
Rothery, W. B.	M.	Attwood, J.	M.
		Cleverly, W. B.	A.M.
South Shields—		Holdsworth, W.	A.M.
Bithel-Jones, H.	A.M.	Jones, W.	M.
Carrick, J. E. C.	G.	Marten, E. B.	M.
Cawthra, J. H.	A.M.	Simms, C. E.	A.M.
Johnston, A. D., Jun.	G.		
Readhead, R.	M.	Stourport—	
		Baldwin, A.	M.
		Lucy, A. J.	M.
Sowerby Bridge—			
Kininmonth, C. P.	G.	Stowmarket—	
Milligan, W. S.	M.	Carter, J. A.	A.M.
Pollitt, E. E.	M.		
Stafford—		Stroud, Glos.—	
James, H. H.	M.	Alder, G. F.	A.M.
Jantzen, P. H. H.	G.	Cowcher, G.	A.M.
Pratt, H. K.	A.M.	Edward, F.	A.M.
		Higgins, E.	A.M.
Stalybridge—		Jones, S. G.	M.
Cook, W. H.	M.	King, H. J. H.	A.M.
Hudson, W.	M.	Platt, F. J.	M.
		Sargeant, E. F.	M.
		Smith, T. G.	M.
Stamford—			
Blackstone, E. C.	M.	Sudbury, Suffolk—	
		Grew, F. W.	M.
Stockbridge, Hants—			
Tomkins, W. S.	M.	Sunderland—	
		Armstrong, W. I.	M.
Stockport—		Clark, G.	M.
Atkinson, J.	M.	Clark, H.	M.
Bellamy, A. R.	M.	Cousenalt, L. D.	A.M.
Chorley, R.	A.M.	Dale, J.	M.
Goodfellow, G. B.	M.	Dickinson, J.	M.
Harlow, B. S.	A.M.	Dickinson, J. C.	M.
Horsfield, R.	M.	Doxford, R. P.	M.
Mackinder, J. H.	A.M.	Hunter, C. F.	A.M.
Murdoch, A. G.	A.M.	Jopling, A.	A.M.
Pearson, H.	A.M.	Mail, J. S.	G.
Pigott, A.	A.M.	Merton, T. H. R.	M.
Taylor, J.	M.	Mills, W.	M.
Woodhouse, Lieut. E. G.		Moore, J. F.	A.M.
		Thompson, R. C.	M.
Stockton-on-Tees—		Wake, H. H.	M.
Allan, G.	M.	Warren, W.	M.
Anderson, W.	M.		
Barker, T. P.	M.	Surbiton—	
Beard, B.	M.	Butler, S. G.	G.
Clark, H.	A.M.	Harris, R. H.	M.
Dunn, M.	M.	Keep, T. B.	G.
Job, N. H.	A.M.	Wrinch, H. E. H.	A.M.
Sutton, Surrey—			
Allison, W. E.			
Lake, W. R.			
Limozin, F. L. J.			
Robins, G. M.			
Saye, K. N.			
Young, W.			
Swanscombe—			
Anderson, H.			
Cheffins, H. W. J.			
Swindon—			
Browne, W. R.			
Burge, R. L.			
Burrows, G. H.			
Churchward, G. J.			
King, H. C.			
Loveridge, A. W.			
Maitland, D. J.			
Stanier, W. A.			
Thomas, L. R.			
Waister, W. H.			
Williams, W. H.			
Wright, F. G.			
Tamworth—			
Hearn, E. W.			
Willis, E. T.			
Taunton—			
Craven, J. E. H.			
Teddington—			
Pilling, F. S.			
Slater, E.			
Stenning, H. A.			
Thompson, J. A.			
Tewkesbury—			
Walker, T.			
Thetford—			
Burrell, C., Jun.			
Millington, F. H.			
Partridge, H. R. C.			
Wilson, E. M.			
Wilson, W. C.			
Thirsk—			
Bamlett, A. C.			
Tipton—			
Chambers, E. H.			
Chambers, E. J.			
Howl, E.			
Whitehouse, G. H.			
Tonbridge—			
Hervey, C.			
Torquay—			
Ball, W. F.			
Coombes, T.			
Houghton, J. C. A.			
Langdon, W.			
Morris, E. L.			
Storey, P.			
Toby, A. L.			
West, N. J.			
Totnes—			
Chenhall, S. S.			
Harvey, Sir R.			
Totteridge—			
Newman, W. H.			

Trowbridge—		Warwick—		Wigan (cont.)—	
Haden, C. L.	A.M.	Hewlett, A.	M.	Drake, A. J.	A.M.
Haden, W. N.	M.			Percy, F.	A.M.
Truro—		Watford—		Ross, J.	M.
McBride, F.	A.M.	Blackburn, J.	M.	Walker, E. R.	M.
		Legros, L. A.	M.	Walker, J. S.	M.
		Rogers, H. J.	M.	Walker, R. L.	M.
Tunbridge Wells—		Smith, G. A.	A.M.		
Boot, H. L. P.	A.M.	Walker, E. G.	G.		
Crowther, H.	A.M.				
Kenrick, A., Jun.	A.M.				
Salomons, Sir D. L.	A.				
Twickenham—		Wealdstone—		Winchester—	
Hebbden, G. B.	G.	Haggie, R. H., Jun.	M.	Haines, C. J.	M.
Morris, W. E.	G.			Head, H. C.	A.M.
Strickland, F.	M.				
Twyford—		Wednesbury—		Windsor—	
Davis, F.	G.	Guyatt, D. J.	A.M.	Holden, P.	A.M.
		Hawkesworth, F. S.	A.M.	Mitchell, W. G.	G.
Uxbridge—		Horton, L. W.	A.M.	Sainty, C.	M.
Salis, H. R. de	A.M.	Micklewright, W.	M.	Taylor, E., Jun.	M.
		Parsons, H. W.	A.M.	Willis, G.	A.M.
Wakefield—		Platt, F.	M.		
Blakey, J.	A.M.	Platt, I.	M.	Wingate—	
Childe, H. S.	M.	Smallman, H. S.	M.	Armstrong, W.	M.
Derbyshire, J.	A.M.	Spencer, J.	M.		
Green, Sir E.	M.	Spencer, T. H.	M.	Witham—	
Longbottom, J. L.	G.	Williams, R.	M.	Enock, J. K.	A.M.
Pursay, H. S.	G.				
Radcliffe, A. E.	A.M.	Wellingborough—		Witney—	
Rhodes, C. J.	A.M.	Mather, G. R.	M.	Young, H. W.	A.M.
Rhodes, W. H.	M.				
Wallingford—		Wellington, Salop—		Woking—	
Duval, C. A.	M.	Allen, T. F.	A.M.	Bourne, T. J.	M.
Wallsend—		Barlow, T. M.	G.	Mowll, H. H. S.	G.
Cullen, W. H.	M.	Groom, R. A.	M.	Young, J. G.	G.
Hunter, S.	M.				
Riseley, H. L.	M.	Wellington, Somerset—		Wolsingham—	
		Sparkes, S. H.	M.	Snowdon, J. A.	M.
Walmer—		West Bromwich—		Wolverhampton—	
Lapage, R. H.	M.	Braithwaite, R. C.	M.	Aldridge, L. S.	G.
Walsall—		Bunn, C. W.	A.M.	Bent, W.	A.M.
Slater, J. G.	M.	James, A. A.	A.	Berrington, E. E. W.	M.
Talbot, W. J.	A.M.	Kenrick, G. H.	M.	Britten, T.	A.M.
		Kenrick, J. A.	M.	Down, P. B.	A.M.
Waltham Abbey—		West Hartlepool—		Fellows, T. E.	A.M.
Williams, E. J.	A.M.	Bott, W. S.	A.M.	Froggatt, F.	A.M.
		Burton, C. K.	G.	Hanford, R.	G.
Walton-on-Thames—		Dawson, J. E.	A.M.	Howie, M.	A.M.
Hill, J. K.	M.	Williams, J. B.	M.	Lester, W. H.	G.
Yerbury, F. A.	G.	Withy, H.	M.	Lewis, P. A.	A.M.
		Wright, A. R.	G.	Lloyd-Parton, F.	G.
Warlingham—		West Malling—		O'Connell, J. G.	A.M.
Squire, G. F.	A.M.	Chittenden, E. B.	M.	Podesta, J. J.	A.M.
				Price, A. E.	A.M.
Warrington—		Weybridge—		Robinson, J. A.	M.
Atherton, T.	M.	Clark, J. L.	A.M.	Shawfield, C. E. C.	M.
Baker, H.	A.M.	Maxwell, D. W. F.	M.	Shepherd, J. H.	A.M.
Bleckly, J. J.	M.	Watts, H. W.	A.M.	Smith, A.	A.M.
Deas, J.	M.			Smith, D.	M.
Dixon, R.	M.	Weymouth—		Stubbs, H.	A.M.
Lord, F.	A.M.	Powell, E. B.	A.M.	Thompson, J.	M.
Massey, E.	A.M.			Thompson, S. J.	A.M.
Mercer, T. S.	G.	Whitehaven—		Twentyman, H. E.	M.
Monks, F. W.	M.	Sankey, B.	A.M.		
Neil, A.	M.			Wolverton—	
Owen, H.	G.	Whitley Bay—		Abbott, A. E.	A.M.
Purse, F. W.	A.M.	Puddephatt, E. O.	M.	Mason, C. L.	A.M.
Watson, J.	M.			Park, C. A.	M.
Wright, W.	M.	Widnes—			
		Brown, B.	M.	Wooburn—	
		Gaskell, H., Jun.	A.M.	Harris, W. R. A.	A.M.
		Wilson, R. J.	A.M.		
		Wigan—		Woodbridge—	
		Brindle, J.	A.M.	Roberts, P. R.	A.M.
		Cotsworth, H. G.	A.M.		
				Woolwich—	
				Angas, A. S.	M.

Woolwich (cont.)—

Barber, G. A. A.M.
Brodie, G. W. M.
Brown, W. M.
Carnegie, W. M.
Dean, F. W. C. M.
Donaldson, H. F. M.
Hall, A. H. M.
Hartley, R. F. A.M.
Heap, R. D. T. M.
Humphries, A. A.M.
Ledingham, J. M. M.
Naylor, J. H. A.M.
Pirie, G. M.
Roberts, G. H. M.
Tatton, A. L. A.M.
Travis, H. M.
Trayte, W. G. G.

Wootton Bridge—

Chatfeild Clarke, L. M.
Worcester—
Minors, E. G.
Morgan, H. F. S. G.
Parkin, T. A.M.
Ransom, W. A.M.
Shaw, C. M. A.M.
Urwick, A. J. M.
Wood, S. P. M.
Workington—
Keyte, G. A.M.
Kirk, H. M.
McQuhae, W. G.
Price, J. M.
Sharp, R. M.
Spedding, J. W. G.

Workington (cont.)—

Williams, M. V. M.
Williamson, R. M.
Yeovil—
Petter, P. W. A.M.
York—
Close, J. M.
Dow, J. W. M.
Ferrier, S. K. G.
Fleet, E. F. A.M.
Fryer, F. G. A.M.
Humphreys, W. H. A.M.
Jalland, G. G.
Smeddie, J. H. M.
Turnbull, W. A. A.M.
Whitehead, A. O. G.

IRELAND.**Aughnacloy—**

Akerlind, G. F. A.M.

Ballymoney—

Bradshaw, G. T. M. M.

Belfast—

Andrews, T. M.
Chambers, R. M. M.
Clarke, T. A.M.
Cuming, G. M.
Davidson, J. S. A.M.
Davidson, S. C. M.
Dobson, A. M.
Elliott, G. M.
Evans, W. A.M.
Ferguson, W. D. M.
FitzGerald, Prof. M. F. M.
Grant, D. J. A.M.
Grant, W. A.M.
Harding, J. C. M.
MacColl, H. M.
McGuire, F. G. M.
Malcolm, B. M.
McCowen, V. A. H. M.
Moffat, W. G. A.M.
Moffatt, J. A. S. M.
Moore, T. L. M.
Pirie, The Right Hon. Lord M.
Pratten, W. J. M.
Reeves, W. M.
Reynolds, W. F. M.
Travers, E. J. M.
Wilson, A. B. M.
Wolff, G. W. M.
Yeames, J. L. A.M.

Doagh—

McMeekin, A. A.M.

Dublin—

Baird, D. G. M.
Bennett, H. B. G.
Bevis, A. W. M.
Blissett, P. T. A.M.
Challenger, G. R. A.M.
Cluff, R. A.M.
Coey, R. M.
Cronin, R. M.
Cusack, H. E. M.
Davidson, W. W. A.M.
Dent, C. H. M.
Fleischer, P. A.M.
Fradley, H. T. A.M.
Geoghegan, S. M.
Harris, S. E. A.M.
Hignett, A. H. M.
Holliday, J. M.
Homan, A. K. G.
Hope, J. B. M.
Jameson, G. M.
Kennan, W. T. A.
Lilly, W. E. M.
MacGarvey, H. M.
Maunsell, R. E. L. M.
Meenan, G. B. A.M.
Miller, J. A.M.
Morgan, E. G. A.M.
Pearson, W. G.
Pigot, T. F. M.
Prideaux, F. G. A.M.
Robertson, W. D. A.M.
Ross, W. M.
Ryan, Dr. J. M.
Sheffield, F. G. A.M.
Spence, A. W. M.
Spence, W. M.
Stamford, Lt. A. R. G.
Sutcliffe, L. A.M.
Wakefield, W. M.
Waldron, P. L. M.
Waring, H. A.M.
Warren, F. F. M.

Dublin (cont.)—

Wayte, J. B. A.M.
Whittington, W. E. G.
Winckworth, T. E. A.M.

Dundalk—

Bigger, C. A.M.
Clifford, C. M.
Manisty, E. M.

Kilkenny—

Minshull, J. W. G.

Killarney—

Litton, F. H. M.

Larne Harbour—

Sutherland, J. A.M.

Limerick—

Gadd, W. M.
Lee, R. J. M.
Lee, S. E. M.

LondonDerry—

Craig, A. M.

Moate—

Goodbody, R. M.

Monkstown—

Walpole, T. M.

Moy—

Garnett, H. A.M.

Newry—

Hardy, W. A.M.

Newtownards—

Watters, T. C. A.M.

Raheny—

Cairnes, F. E. M.

Stranorlar—

Livesey, R. M. M.

SCOTLAND.

Aberdeen—

Bell, J. A.	M.
Conway, G. R. G.	M.
Coutts, D. A.	A.M.
Ewen, J. T.	M.
Forbes, D. M.	M.
Gibson, W.	A.M.
Groundwater, A. G.	A.M.
Hislop, D. B.	A.M.
Jackson, W.	M.
MacKinnon, A.	G.
Mitchell, G.	G.
Mowat, T.	M.
Nicol, R. G.	M.
Robertson, D.	M.
Simpson, W.	M.
Stormont, P. C.	M.
Thomson, J. W.	A.M.

Ardrie—

Barman, H. D. D.	M.
Finlayson, F.	M.

Alexandria—

Jepson, G. F.	G.
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Arbroath—

Fraser, P.	M.
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Ballachulish—

McDonald, N.	G.
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Broughty Ferry—

Millar, T.	M.
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Carron—

Hamilton, T. F.	A.M.
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Coatbridge—

Leach, R. W.	A.M.
McGregor, J.	A.M.

Currie—

Robb, J.	A.M.
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Dumbarton—

Brock, W.	M.
Brown, J. P.	A.M.
Paul, M., Jun.	M.
Webster, R. K.	G.

Dundee—

Berry, T.	A.M.
Douglas, G. C.	M.
Fyffe, A. M.	G.
Greig, J. S.	M.
Lindsay, R.	M.
Lindsay, W. R.	M.
Low, W.	M.
MacDonald, D. J.	M.
MacDonald, W. R.	G.
McGregor, W.	A.M.
McNicoll, W.	A.M.
Murray, P. B.	A.M.
Orr, C. R.	M.
Parsons, T. G.	A.M.
Sturrock, J. F.	A.M.
Thompson, J. H.	M.
Watson, H. S.	G.

Edinburgh—

Adams, P. W.	A.M.
Bearc, Prof. T. H.	M.
Cape, A.	G.
Clark, T. A.	M.
Colam, W. N.	M.
Crawford, G. W.	M.
Dumas, R.	A.M.
Edmonds, Major R. J.	M.
Gibbons, W. G.	M.
Gray, J.	M.
Gray, J. M.	M.
Gulliver, G. H.	A.M.
Horne, A. R.	A.M.
Leech, W. B.	A.M.
Lumsden, T. T. M.	M.
Macdonald, I.	G.
Newman, C. W. D.	A.M.
O'Riordan, G. F.	G.
Purves, W. T.	A.M.
Roberts, R. J.	G.
Stanfield, Prof. R.	M.
Stevenson, D. A.	M.
Sutherland, D., Jun.	A.M.
Taylor, J. T.	A.M.
Thomson, G.	M.
Wight, J. T.	G.

Glasgow (cont.)—

Cochrane, J.	M.
Couper, S.	M.
Cowie, J. R.	G.
Davie, J. P.	A.M.
Davison, R.	M.
Day, C.	M.
Dixon, J.	A.M.
Dunlop, J.	M.
Frazer, J. P.	A.M.
Fulton, N. O.	A.M.
Gaze, E. H. J.	M.
Gibson, G. H.	A.M.
Goudie, W. J.	A.M.
Grant, H.	A.M.
Grant, T. M.	M.
Hall-Brown, E.	M.
Hamilton, W. D.	M.
Herriot, W. S.	M.
Jacks, T. W. M.	M.
Jackson, H. D.	M.
Johnson, A.	M.
Lang, R.	M.
Leitch, A.	M.
Lemkes, C. R. L.	A.
List, J. F.	A.M.
Longbottom, Prof. J. G.	M.
Lorimer, A. S.	A.M.
MacBrayne, L.	A.
Macdonald, F. C.	M.
Macdonald, J.	M.
MacKie, W. A.	M.
Maitland, C.	M.
McFarlane, G.	M.
McIntyre, J. H. A.	M.
McNeil, J.	M.
Mellanby, Prof. A. L.	M.
Menzies, J.	M.
Millar, J.	M.
Millar, W. P.	A.M.
Moore, G. E.	A.M.
Morton, D. H.	M.
Motion, R.	M.
Mowbray, A. H.	A.M.
Munro, R. D.	M.
Nandi, K. C.	A.M.
Palmer, W. D.	A.M.
Pickering, J.	M.
Pocock, J. H.	A.M.
Reid, A. T.	M.
Reid, H.	M.
Reid, J.	M.
Reid, R. S.	M.
Richardson, J. S.	M.
Richmond, J. R.	M.
Robarts, H. P.	A.M.
Robinson, I. V.	A.M.
Rogerson, T. B.	M.
Ross, J. R.	M.
Ross, W., Jun.	M.
Royds, R.	A.M.
Shanks, W.	M.
Sharp, J. H.	M.
Sime, W.	M.
Spence, W. L.	M.
Statham, F. B.	A.M.

Glasgow (cont.)—		Kilmarnock (cont.)—		Paisley (cont.)—	
Stewart, J.	M.	Manson, J.	M.	Campbell, W. W.	M.
Thomson, A. M.	A.M.	Papworth, J. W.	A.M.	Cave, W. H.	A.M.
Thomson, D. L.	A.M.	Turner, T.	M.	Davies, C. E.	A.M.
Thomson, J.	M.			Drewitt, W. H.	A.M.
Tullis, D. K.	M.			Hardcastle, E.	M.
Turnbull, A.	M.			Hislop, G. R., Jun.	A.M.
Turnbull, W. L.	M.	Grant, L.	M.	McGee, W.	M.
Turner, D.	A.M.	Henderson, R.	A.M.	McLachlan, J.	M.
Urie, W. M.	M.			Napier, J. S.	M.
Weir, W.	M.	Larbert—		Parkinson, C. F.	A.M.
Wilkinson, R. S.	G.	Finlayson, D.	A.M.	Somerville, A.	A.M.
Wilson, C. A.	A.M.			Tannett, J. C.	M.
Wilson, W. H.	M.	Maybole—		Walmsley, J.	M.
Yarrow, H. E.	G.	Don, J.	A.M.	Wilson, R. W.	A.M.
Young, J. D.	A.				
Young, T.	M.	Mid-Calder—			
		Bryson, J.	M.		
Greenock—				Perth—	
Blake, M.	M.			Cook, J.	M.
Graham, W.	M.	Montrose—		Pullar, A. E.	M.
MacLean, A. S.	M.	Hale, H.	A.M.		
McLarty, F. M.	M.			Renfrew—	
Smart, R. H.	M.	Motherwell—		Brown, W.	M.
		Constantine, E. G.	M.	Lobitz, F.	M.
Inverness—		Mackenzie, T. B.	M.	McLaren, R. A.	M.
Drummond, P.	M.	Stewart, G.	M.	Young, W. A.	M.
Smith, F. G.	A.M.				
Kilmarnock—		Newburgh—		Rosyth—	
Barr, J.	A.	Lemerle, A. L.	G.	Crocker, E. G.	A.M.
Burbidge, A. H.	A.M.	White, D. H.	A.M.	Plant, D. T.	A.M.
Dunn, H. S.	M.				
Kennedy, T.	M.	Paisley—		Stewarton—	
		Barclay, A. W.	M.	Love, R. T.	A.M.
		Barnes, C.	M.		
		Bow, W.	M.	Wishaw—	
				Steele, J.	M.

WALES.

Aberdare—		Cardiff (cont.)—		Cardiff (cont.)—	
Heppell, S. K.	G.	Elliott, Dr. A. C.	M.	Reese, A. K.	M.
Lewis, Sir W. T.	M.	Ellis, A.	M.	Riches, T. H.	M.
Treharne, G. A.	M.	Evans, D. L.	M.	Roberts, D. E.	M.
Burry Port—		Flindt, E. J.	M.	Schontheil, T.	A.M.
Eager, J.	M.	Gall, A.	M.	Scott, W. A.	A.M.
Bwlch—		Hallett, J. H.	M.	Sibbering, G. T.	M.
Ashworth, H.	M.	Haslam, S. B.	A.M.	Stevenson, G. M.	M.
Caerleon—		Heald, J. A.	M.	Strachan, J.	M.
Richards, E. W.	M.	Holbrow, C. A.	A.M.	Swan, E. M.	A.M.
Caerphilly—		Hosgood, O. S.	M.	Tunley, P. J.	A.M.
Riches, C. T. H.	M.	Hubback, C. A.	M.	Vyvyan-Robinson, C. A.	G.
Cardiff—		Hunter, E. L.	A.M.	Woodward, A.	A.M.
Andrews, T.	M.	James, F.	M.		
Baskerville, W. S.	A.M.	Jones, F.	A.M.	Cardigan—	
Burt, J. W. E.	A.M.	Jordan, E.	M.	Matthews, W. E.	A.M.
Cambridge, H.	M.	Knight, S. Y.	A.M.		
Cameron, J.	M.	Kortright, P. F.	A.M.	Carmarthen—	
Chamen, W. A.	M.	Leggat, J.	A.M.	Isaac, G. B.	A.M.
Chivers, S.	M.	Lewis, W. T. W.	G.		
Cryer, A.	M.	Lloyd, C. G.	G.	Carnarvon—	
Dawson, E.	M.	Marquand, A. J.	M.	Hayes, J.	M.
Dobbs, H. T.	A.M.	Mills, A. E.	A.M.	Clydach, Glam.—	
Dorling, H. N.	A.M.	Monroe, R.	M.	Edleston, A. E.	A.M.
Edwards, H. F.	M.	Morgan, J.	A.M.		
		Pasquier, A. E. du	A.M.	Dowlais—	
		Patterson, A.	M.	Evans, J.	M.
		Powell, W. H. H.	A.M.	Martin, E. P.	M.
		Reed, T. A.	M.	Robson, G.	A.M.

Ebbw Vale—		Penarath—		Port Talbot—
Mills, F.	M.	Bennett, H. A. D.	A.M.	Cleaver, W.
Landore—		Guy, H. L.	G.	Hertz, A. H.
Butler, J.	M.	Heywood, T. E. H.	A.M.	Roberts, H. J.
Llanelly—		King, T. S.	M.	
Burn, A. J. H.	M.	Thomas, N. S.	A.M.	Ruabon—
Rees, W. J.	M.	Wrightson, W. P.	M.	Haswell, J. F.
Stevenson, J. J.	M.			
Thomas, E. G.	A.M.	Pontypridd—		Swansea—
Thomas, R. B.	M.	Bennett-Powell, P. G.	G.	Blake, A. W.
Mold—		Davison, J. W.	M.	Davies, W. D.
Buddicom, H. W.	M.	Gregory, H. M.	M.	Dayson, W. O.
Newport, Mon.—		Holland, H. N.	A.M.	Hosgood, T. W.
Calvard, F.	A.M.	Lenox, G. D.	A.M.	Molyneux, J.
Green, E. W.	G.	Thomas, A. L.	A.M.	Morgan, F. J.
Ingram, A. H.	A.M.			Noot, W. W.
Laurie, L. G.	M.	Port Dinorwic—		Peel, C. E.
Pattinson, J.	M.	Pritchard, H.	M.	Player, J.
Pearson, T. W.	A.M.	Pritchard, W. E.	A.M.	Prüsmann, C. A. L.
Phillips, C. D.	M.			Wright, J. R.
Read, J. H.	M.	Portmadoc—		Wrexham—
Stevens, A. J.	M.	Harrow, T. W.	G.	Berkeley, T. D.
		Isaac, R.	M.	Godfrey, A. S.

CHANNEL ISLANDS.

St. Saviour's, Jersey—
Amy, P. A. G.

NAVAL ENGINEERS.

ON FOREIGN SERVICE (EXCLUSIVE OF THOSE AT HOME).

Andrew, Eng. Lt. G. E. M.	Gibson-Sugars, Eng.	Moore, Eng. Lt. W. L.
Baker, Eng. Lt. E. F. M.	Comm. J. S. M.	M.
Bramsdon, Eng. Capt.	Hall, Eng. Lt. W. B. M.	Veen, Eng. Lt. V. A. A.
W. H. M.	Little, Eng. Capt. E. M.	ter M.
Cooke, Eng. Sub.Lt.S. W.	Liversedge, Eng. Comm.	Venning, Eng. Lt. A. J.
A.M.	H. T. M.	A.M.
Cornish, Eng. Comm. E.	Michell, Eng. Lt. W. H. M.	Venning, Eng. Lt. T. A. A.M.
M.		

FOREIGN COUNTRIES.

AFRICA.

BECHUANALAND—		Newlands—		Khartoum—	
Setlagoli—		McColl, H.	M.	Claxton, H.	A.M.
Meintjes, L. S.	A.				
BRIT. CENT. AFRICA—		Port Elizabeth—		Luxor—	
Chinde—		Ingham, W.	M.	Maudslay, J.	A.M.
Smail, C. G.	A.M.	Mangold, C. A.	A.M.		
BRIT. EAST AFRICA—		Salt River—		Mex—	
Mombasa—		Anderson, P.	M.	Ramsay, A. C.	A.M.
Bremner, B. L.	G.	Fry, W. E. R.	G.		
Sandiford, C.	M.				
CANARY ISLANDS—		Simon's Town—		Port Sudan—	
Las Palmas—		Grose, F. H.	A.M.	Chatfield, K. R.	G.
Barba, A. G.	A.M.				
CAPE COLONY—		Sydney—		Shendy—	
Aliwal North—		Hodgetts, G. W.	A.M.	Stenning, H. W.	A.M.
Pashby, A. H.	A.M.				
Bedford—		Uitenhage—		Sohag—	
Smyth, R. H.	A.M.	Child, H. S.	M.	Basta, H.	G.
Cape Town—		Hawkins, J. C.	A.M.		
Beatty, H. M.	M.	Malloch, W. F.	M.		
Cochrane, J.	A.M.	Thornton, H. R.	M.		
Coster, W. W.	A.M.	Watson, A. G.	A.M.		
Denham, J.	M.				
Edwards, W. C.	M.				
Gearing, H. C.	A.M.				
Gibbs, J. H.	M.				
Linscott, A. B.	A.M.				
McLaren, W. A.	M.				
Miller, H. W.	M.				
Payne, H.	M.				
Perry, T. W. W.	A.M.				
Pickering, F.	M.				
Reid, F.	A.M.				
Smith, W. H.	M.				
Storey, C. B.	A.M.				
Claremont—		Wynberg—		Rose Belle—	
Read, C. M.	A.M.	Allkin, H. W.	A.M.	Powell, L. H.	A.M.
De Aar—					
MacNay, A.	M.				
East London—		CAPE VERD ISLANDS—		NATAL—	
Preston, F. K.	M.	St. Vincent—		Durban—	
Sanders, G. E.	A.M.	Price-Williams, D.	G.	Barrett, H.	A.M.
Grahamstown—				Hearn, C. H.	A.M.
Newman, R. W.	M.			Hogg, J. T.	A.M.
Kimberley—		EGYPT—		Mace, F. R.	A.M.
Berry, W.	A.M.	Alexandria—		Middleton, H. H.	M.
Clarke, G. G.	M.	Alderson, C. A. H.	A.M.	Milne, W.	M.
Macleanan, H. V.	A.M.	Alderson, G. A.	A.M.	Short, A.	M.
Quentrell, T.	M.	Alderson, G. B.	M.	Stobie, G.	M.
Scott, R.	A.M.	Allen, F.	M.	Titren, G. E. de K.	A.M.
Naauwpoort—		Austin, J. M.	M.		
Duncan, W.	M.	Blagden, H. R. C.	M.		
		Elsworth, J. F.	M.		
		Marr, W. H.	A.M.		
		Tennant, A. M.	A.M.		
Bir-Hooker—		Bir-Hooker—		Estcourt—	
		Paterson, W.	A.M.	Hemingway, R. L.	A.M.
Cairo—		Cairo—		Ladysmith—	
		Bain, G.	M.	Robinson, J. J.	M.
		Baker, A.	A.M.		
		Fletcher, W. C.	M.		
		George, W. C.	A.M.		
		Higgins, C. F.	A.M.		
		Hill, W. S.	M.		
		Mansfield, F.	A.M.		
		Nutt, G. B.	M.		
		Peacock, J. A. W.	M.		
		Porter, E. C. G.	A.M.		
		Sheppard, H. G.	M.		
		Taylor, F. C.	A.M.		
		Western, H.	A.M.		
Damanhour—		Damanhour—		Port Natal—	
		Peacock, J. B.	G.	Shadwell, L. H. A.	A.M.
				Thomson, G.	M.
Farchout—		Farchout—		ORANGE RIVER COLONY	
		Spencer, H. B.	M.	Bloemfontein—	
				Oakden, R. B.	A.M.
				Tweedy, A. C.	A.M.
Koffyfontein—		Koffyfontein—			
		Hudson, G.	A.M.		

AMERICA (CENTRAL).

MEXICO—		NICARAGUA—		Cuba—
Guerrero—		Chichigalpa—		Keyworth, T. E. M.
Bromly, A. H.	M.	Forsyth, W.	A.M.	Knight, W. E. M.
Mexico City—		WEST INDIES—		Grenada—
Bennett, P. M.	A.M.	Antigua—		McQueen, J. C. M.
Blackmore, W. R.	G.	Dew, J. T.	A.M.	Jamaica—
Carter, H. F.	M.	Foote, T. D.	G.	Aitken, R. R. A.M.
Gelling, J. W.	M.			Seymour, J. H. A.M.
Russell, F. W.	M.			Porto Rico—
Ward, A. M.	A.M.	Barbados—		Graham, R. M.
West, H. E.	A.M.	Brocklehurst, G.	M.	Trinidad—
Wicks, G. H.	M.	Simpson, D. G.	A.M.	Peet, J. M.
Williams, A.	M.	Simpson, N. de L.	A.M.	

AMERICA (NORTH).

BRIT. N. AMERICA—		Chicago (cont.)—		New York (cont.)—
British Columbia—		McDonald, W. A.M.		Hildage, H. T. A.M.
Chatterton, R. A.M.		Widdicombe, R. A. A.M.		Leeds, E. L. A.M.
Croft, H. M.		Wilson, O. S. A.M.		Lewis, W. Y. A.M.
Walkem, G. A. A.M.				Loud, H. S. M.
Wood, C. A.M.				Megirian, J. J. G.
Calgary, Alberta—		Cleveland—		Pearm, F. G.
Wilson, D. E. A.M.		Clegg, R. L. A.M.		Powell, C. S. A.M.
		Swasey, A. M.		Rosenberg, H. M. A.M.
		Wellman, S. T. M.		Sandaljian, B. A.M.
				Thornton, A. F. G.
Edmonton, Alberta—		Columbia, Nev.—		Ward, M. W. G.
Osburn, G. V. A.M.		Dowlen, W. E. A.		
Mimico, Ont.—		East Pittsburg—		Orange, N.J.—
Statham, H. A.M.		London, W. J. A. A.M.		Bulkley, H. W. M.
Montreal—		Indianapolis—		Palo Alto—
Church, H. J. G.		Ritchie, J. M. A.M.		Eckart, W. R., Jun. A.M.
Davson, S. F. A.M.				
Dowson, E. C. H. A.M.		La Junta—		Passaic, N.J.—
Flint, L. R. A.M.		Oliver, A. R. A.M.		Mitchell, E. M. M.
Gibbons, N. B. G.				
Hayward, J. W. A.M.		Little Boar's Head—		Philadelphia—
Johnson, L. R. M.		Jaques, Capt. W. H. M.		Gibbons, W. F. M.
Morton, J. H. A.M.				Poignard, F. N. G.
Piper, G. E. A.M.		Long Island City—		Sellers, Dr. C. M.
Redpath, F. R. M.		Manton, A. W. M.		
Vaughan, H. H. M.				
Wallis, H. M.		Los Angeles—		Providence—
Warner, H. M. A.M.		Chaffey, G. M.		Cave, H. A.M.
Wolff, C. A.M.		McClure, J. R. A.M.		Mather, W. P. M.
Toronto—				Mawson, R. A.M.
Crofts, J. C. T. M.		Matteawan—		San Francisco—
		Blackburn, A. H. M.		Eckart, W. R. M.
Winnipeg—		Middlesbrough—		Springfield—
Lake, H. B. A.M.		Bartlett, J. H. M.		Hartness, J. M.
Sherwin, J. W. A.M.				Watertown, N.Y.—
		Milwaukee—		Hartley, T. W. A.M.
		Atkinson, C. J. A.M.		Westfield, N.J.—
UNITED STATES—		New Britain—		Baechtold, C. A. M.
Boston—		Moore, W. J. P. M.		Worcester—
Butcher, J. J. M.				Morgan, C. H. M.
Ramsbottom, J. G. M.		New Orleans—		
Watson, J. C. A.M.		Gill, C. E. A.M.		
Cambridge—		New York—		HAWAII—
Leavitt, E. D. M.		Clark, L. K. A.M.		Croll, J. A.M.
Chicago—		Hart, F. M.		Williams, J. N. S. M.
Higgs, A. F. A.M.		Herschmann, A. J. M.		
Hunt, R. W. M.				

AMERICA (SOUTH)

Buenos Aires (cont.)—		Pernambuco—		Taltal—	
Greaven, L.	M.	Cardozo, F. C. de M.	M.	Stirling, D. E.	M.
Henry, H. D.	M.	Chalmers, J.	A.M.		
Hicken, T.	M.	Chivers, F. E.	A.M.	Tocopilla—	
Lander, P. V.	M.	Fripp, S. Jun.	A.M.	Deacon, R. D.	A.M.
Marty, E.	A.M.	Hamilton, G. J.	A.M.		
Marty, F.	A.M.	Johnson, E.	A.M.	Valparaiso—	
McReddie, C. E. B.	M.	Jones, G. R. W.	A.M.	Beaver, J. R.	A.M.
Roscoe, E. B.	A.M.	Thunder, C. J.	A.M.	Budge, E.	M.
Saccaggio, P. C.	A.M.			Cliff, T. P. B.	A.M.
Scholes, W. H.	M.			Morrison, W. L.	M.
Scott, J.	M.			Slight, G. H.	M.
Tenney, D.	A.M.				
Wood, T. R.	M.			COLOMBIA—	
York, F. C.	M.			Giradot—	
Entre Rios—		Rio de Janeiro—		O'Reilly, F. J.	A.M.
Lyons, R. E. B.	A.M.	Mattos, A. G. de	G.		
Mendoza—		Petiz, J. A.	M.	PARAGUAY—	
Dawbarn, R. P.	A.M.	Sutton, M.	A.M.	Lawes, G. E.	M.
Monte Caseros—		Whichellos, R.	G.	PERU—	
Jackson, R. M.	A.M.			Arequipa—	
Parana—		Rio Grande do Sul—		Forga, A.	A.M.
Wallis, S. A.	G.	Gray, A. C.	M.	Callao—	
Rawson—		Sao Paulo—		Hird, R. T.	A.M.
Maria, H. S.	A.M.	Goodier, F.	M.	White, W. A.	A.M.
Rosario de Santa Fe—		McIntyre, C.	A.M.	Huinac—	
Seavill, L. C.	A.M.	Sheldon, W. J.	M.	Warren, W.	M.
BRAZIL—		Uruguayana—		URUGUAY—	
Campinas—		Ambler, F.	M.	Fray Bentos—	
Stevenson, C. W.	M.	BRIT. GUIANA—		Coultton, I. B.	A.M.
Manaos—		Berbice—		Monte Video—	
McIvor, B. R.	M.	Parratt, W. H.	M.	Halstead, J. H.	M.
Minas Geraes—		Georgetown—		VENEZUELA—	
Parker, F. T.	A.M.	Potter, G. O.	A.M.	Aroa—	
Para—		CHILE—		Langdon, H. A. W.	A.M.
Ward, J.	M.	Antofagasta—		Caracas—	
		Elliott, S. H.	A.M.	Almond, H. J.	M.
		Iquique—			
		Ambler, R. V.	M.		
		Beven, A. N.	M.		
		Nicholls, J. M.	M.		
		Wilson, T.	M.		
		Santiago—			
		McKerlie, J.	A.M.		

ASIA.

BRIT. N. BORNEO—		Hong Kong (cont.)—		Shanghai (cont.)—	
Labuan—		Cooper, A. G. W. L.	G.	Charlton, A. E.	A.M.
Ingate, G. J. A.	A.M.	Cruickshank, G. S.	A.M.	Groundwater, S.	A.M.
		Gordon, A. G.	M.	Hearson, H. R.	M.
Sandakan—		Macdonald, D.	M.	Hiller, H. K.	M.
Johnston, A.	M.	Newman, K. C. H.	A.M.	Payne, F. G.	A.M.
		Orange, J.	M.	Pitcairn, F. B.	A.M.
BURMA } See India.		Parlane, W.	M.	Reynolds, J.	M.
CEYLON } See India.		Ramsay, W.	M.	Skidmore, T. E.	G.
CHINA—		Simcock, P.	A.M.	Thomson, J. C.	A.M.
Hankow—		Tulip, W.	A.M.	Tweedie, K. D.	A.M.
Fairley, F.	A.M.	Wilks, E. C.	M.	Waight, J.	M.
				Wood, W. C.	M.
Hong Kong—		Lin-cheng—		Taku—	
Adams, F. R. J.	A.M.	Kwang, K. Y.	M.	Gaston, A. B.	M.
Appleby, G. W.	M.				
Bailey, W. S.	M.	Shanghai—		Tientsin—	
		Blagden, A. H.	A.M.	Gilchrist, J. A. R. G.	A.M.
		Blechynden, J.	M.		

Tientsin (cont.)—		Bombay (cont.)—		Colombo (cont.)—	
Knowles, G. S.	A.M.	Walke, C. N. E.	M.	Burnett, W. R.	A.M.
May, T. A. P.	A.M.	Webb, R. G.	M.	Hutson, C. A.	M.
DUTCH E. INDIES—		Weightman, W. J.	M.	Hyde, G. H.	M.
Celebes—		Whittell, A. L.	M.	Jayawardena, T. G. W.	
Wright, G. A.	A.M.	Wood, F. G.	A.M.	Jolliffe, C. H.	A.M.
INDIA—		Yates, D. R. M.	A.M.	Knox, R.	A.M.
Agra—		Borsad—		Percy, H. L.	G.
Stirling, J. A. M.	A.M.	Patel, M. B.	A.M.	Tarver, H. H.	A.M.
Ahmedabad—		Burrakur—		Unsworth, H. G.	M.
Divecha, R. N.	A.M.	Macmillan, C. C.	M.	Cossipore—	
Ajmere—		Cachar—		Bell, Major C. T.	M.
Davidson, W.	M.	Cranswick, C. T.	G.	Cuttack—	
Allahabad—		Cross, R. T. G.	A.M.	Hughes, R. M.	M.
Thomson, H.	A.M.	Davidson, B. M.	A.M.	Dacca—	
Wasdell, A.	A.M.	Girling, H. M.	A.M.	Arnold, F. W.	A.M.
Amritsar—		Calcutta—		Delhi—	
Ashford, J.	M.	Abbott, A. H.	M.	Nelson-Barrett, J. M.	
Ganga Ram	M.	Adie, A. E.	M.	Dibrugarh—	
Aruvankad—		Allsop, J. W. K.	A.M.	Greenhough, E. L.	A.M.
Price, R.	A.M.	Austin, E. G.	M.	Dikon—	
Bandikui—		Browne, R. J.	M.	Robertson, R. A.	A.M.
Fraser, W. S.	A.M.	Dryden, A.	M.	Gwalior—	
Bangalore—		Elton, S. G.	A.M.	Baker, W. H.	M.
Borham, W. E.	M.	Fish, J. B.	G.	Haputale, Ceylon—	
Bankipur—		Forbes, W. G. L. S.	M.	Evans, C. A.	G.
Walford, F.	A.M.	George, J. M.	A.M.	Henzada—	
Baroda—		Harwood, R. H.	A.M.	Lancaster, J. H.	A.M.
Patel, R. M.	A.M.	Ironside, W. A.	A.M.	Howrah—	
Bishnauth—		Limpus, A. E. J.	A.M.	Everett, Prof. W. H.	M.
Hadley, W. P. H.	A.M.	McPherson, S.	M.	Longworth, A. E.	A.M.
Bombay—		Morris, R. H.	A.M.	Moore, W. H.	M.
Addis, F. H.	G.	Moylan, W. M.	M.	Robertson, J. F.	A.M.
Amor, C. T.	A.M.	Muggeridge, H. C.	A.M.	Shirtliff, F.	A.M.
Ashby, G.	M.	Nichols, F. A.	A.M.	Steele, W. R.	M.
Barton, G. B.	A.M.	Nowell, V. F.	A.M.	Hubli—	
Bell, A. M.	M.	Pulman, T. C.	M.	Sampson, E. D.	M.
Bigg-Wither, L.	A.M.	Rickle, A. J.	G.	Hyderabad—	
Carruthers, R.	M.	Roberts, W. P.	A.M.	English, T. M.	M.
Chandabhoi, S. N.	A.	Rogers, G. K.	M.	Insein—	
Clayton, J. A.	M.	Rolle, J. H. H.	M.	Burnside, B. W.	A.M.
Cotesworth, C. G.	G.	Rowe, P.	A.M.	Johnson, L. P.	M.
Dadabhoi, C.	M.	Ruffle, F. F.	A.M.	Saxby-Thomas, H. G. G.	
Dadina, H. M.	M.	Scott, R.	M.	Jamalpur—	
Davison, J. W.	M.	Smith, H. J. T.	A.M.	Browne, T. R.	M.
Gahagan, R. H.	A.M.	Stephens, E.	A.M.	Eborall, C. W.	M.
Gawthorne, W. A.	A.M.	Trimmer, G. W. A.	G.	Eyers, C.	A.M.
Hall, J.	M.	Trusler, W. J.	G.	Godson, E. H.	A.M.
Harrison, F.	M.	Watson, H. E.	A.M.	Radley, B. V.	M.
Hepworth, J. W.	M.	Whitchello, R. E.	A.M.	Tomes, W. J.	A.M.
Jeejeebhoy, P. B.	M.	Cawnpore—		Wood, H. A.	M.
Knowles, J.	M.	Goulstone, E. E.	A.M.	Jubbulpore—	
Lee, R. A. E. B.	A.M.	Chikmaglur—		Uutting, J.	M.
Longworth, D.	M.	Molloy, H. J.	M.	Kallai—	
Macbeth, J. B. K.	M.	Chittagong—		Barrett, C. E. M.	A.M.
Murray, G. W.	A.M.	Hawkins, R. S.	M.	Kanchrapara—	
Pearson, J.	M.	Chupra—		Hunt, E.	A.M.
Ross, F. G.	A.M.	Bull, E. J.	A.M.		
Shroff, A. B.	M.	Cochin—			
Taylor, N.	M.	Brunton, J. E. C.	G.		
Thompson, E. W.	A.M.	Reid, J. W.	A.M.		
Wadia, N. N.	M.	Colombo—			
		Boak, W.	M.		
		Bolton, G. W.	A.M.		
		Bradley, G. T.	M.		
		Brixley, C. E. W.	A.M.		

Karachi—		Oorgaum—		Osaka—	
Brunton, J. F.	M.	Hincks, J. M.	A.M.	Bulkeley, G. V. O.	G.
Cooper, J. A. W.	A.M.	Nicholl, F. M.	A.M.	Kikuchi, K.	M.
Cosser, T.	M.			Takimura, T.	M.
Dame, J. M.	M.				
Davidson, J. M.	M.				
Herman, B. R.	M.				
Markwick, A. E.	M.				
Moore, J.	M.				
Khangpur—		Quilon—		Tokyo—	
Carr, A. C.	M.	Willmer, E. E.	A.M.	Brindley, H. S. B.	A.M.
Franklin, E. S.	M.			Dan, T.	M.
Hornett, W. G.	A.M.			Hiraoka, H.	M.
Kirkee—		Rangoon—		Mano, Prof. B.	M.
Amor, W.	M.	Abbott, A.	G.	Matsubara, T.	A.M.
		Hamilton, A. G.	A.M.	Miyabara, J.	M.
		Hardinge, H. M.	G.	Shiba, C.	A.M.
		McGeorge, J.	A.M.	Shin, T.	M.
		Mills, Capt. J. J.	A.M.	Takatsuji, N.	A.M.
		Mutter, W.	M.	West, Prof. C. D.	M.
		Perry, W. F. S.	M.	White, A. F.	M.
		Rickie, J. H.	G.		
		Silby, R. P.	A.M.		
Kulti—		Rawal Pindi—		Yokohama—	
Bonar, H.	A.M.	Martin, F. A.	M.	Hatfield, K. G. S.	G.
Lahore—				Lukis, W. R. F.	M.
Atkinson, A.	M.			Münster, B. A.	M.
Bharucha, F. E.	A.M.	Rooree—			
Oram, R. E. C.	G.	McLaren, W. D.	A.M.	Yokosuka—	
		Souter-Robertson, D. M.		Nakajima, Y.	M.
Lillooah—		Rosa—		JAVA—	
Bury, R. E.	A.M.	Christiansen, A. G.	A.M.	Soerabaya—	
		Hadengue, C. B.	A.M.	Campbell, J.	M.
Lucknow—		Seccunderabad—		Powell, B. N.	A.M.
Brown, H. H. L.	M.	Rosenthal, F. M. B.	A.M.		
Coldwell, C. B.	A.M.			PHILIPPINE ISLANDS—	
Keatinge, S. A. J.	M.			Manila—	
Swinchatt, P. H.	A.M.	Silchar—		Aitken, C. H. W.	M.
		Ede, F. J.	M.		
Madras—		Melland-Smith, H. R.	A.M.	SIAM—	
Bamford, R. G.	M.			Bangkok—	
Bryant, E. E.	A.M.			Hill, W. H.	A.M.
Chatterton, Prof. A.	M.	Simla—		Mackay, J.	M.
Christiansen, A. G.	Jun.	Buchanan, W. E.	A.M.	Pritchard, L. H.	A.M.
		Nugent, Capt. C. H. H.	M.	Swanson, J. H.	M.
Emery, J. I.	A.M.	Robertson, J. M.	A.M.		
Harris, H. E.	A.M.			STRAITS STLMTS.—	
James, W. H.	M.	Sylhet—		Penang—	
Jordan, A. E.	A.M.	Aird, J. E.	A.M.	Lawrie, P. S.	M.
Keightley, A. P.	M.	Kennedy, J. A.	A.M.	Moraes, H. F.	A.M.
Liddell, G.	A.M.			Muir, H.	A.M.
Loane, S. J.	M.	Tinsukia—		Renny, A.	M.
Mansfield, O.	G.	Locket, A.	A.M.	Swan, W. R.	A.M.
Peirce, H. B.	A.M.			Wilson, W. B.	A.M.
Pillai, V. P. D.	M.	Tuticorin—		Young, R.	M.
Saunders, C. H. S.	G.	Middleton, B. M.	A.M.		
Sharpley, R.	A.M.			Perak—	
Shepherd, J. W.	A.M.	Umballa—		Craig, G.	G.
Spring, F. J. E.	M.	Gravell, A.	A.M.	Lawrence, H. P.	A.M.
Thomas, F.	A.M.	Jones, F. R.	M.	Mills, F.	M.
Warbrook, F. G.	A.M.			Rose, A.	A.M.
Mozzafferpore—		JAPAN—		Selangor—	
Williams, W. H.	M.	Chikugo—		Forbes, G. C.	M.
		Kuroda, T.	M.	Groves, T.	A.M.
Mussoorie—		Hiratsuka—			
Campbell, A.	M.	Currie, G. M.	M.	Singapore—	
Shanan, C. H.	A.M.			Corbett, A. J.	M.
Mysore—		Kobe—		Coveney, W. C.	M.
Longley, R. G.	A.M.	Allcock, H.	A.M.	Dick, J. N.	M.
Roberts, C. T.	A.M.	Arakawa, S.	M.	Finnie, W.	M.
		Kershaw, T.	M.	Garratt, J. H.	M.
Negapatam—		Nagasaki—		Gebbie, J.	M.
Lambert, J. H.	A.M.	Ito, K.	A.M.	Goldie, R. M.	A.M.

Singapore (cont.)—

Gutcher, W.	A.M.
Hall, J. E.	A.M.
Hamilton, J. A.	A.M.
Hamilton, R.	M.
Kennedy, W.	A.M.
Kitching, A.	M.
Mackail, J. H.	A.M.

Singapore (cont.)—

Macbean, J. J.	M.
Marshall, A. E.	G.
Masterton, W. N.	M.
Niblock, F.	M.
Nicholson, J. R.	M.
Saxelby, H. R.	G.
Sunner, J. H.	M.

Singapore (cont.)—

Trowell, W. J.	M.
Webster, W.	M.
TURKEY-IN-ASIA—	
Smyrna—	
Issigonis, G. D.	A.M.

AUSTRALASIA.**NEW SOUTH WALES—**

Aberdeen—	
Benn, W. W. W.	A.M.

Granville—

Irons, T.	M.
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Newcastle—

Hirst, J.	M.
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Nowra—

Conyers, S. W.	M.
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Sydney—

Ahrbecker, H. C. V.	M.
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Arnot, A. J.	M.
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Brown, H.	M.
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Brunton, P. G.	M.
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Christie, A.	M.
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Cliff, R. C.	A.M.
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Cullen, P. J.	M.
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Cutler, A. E.	M.
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Fenwick, J.	M.
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Finlayson, R. W.	M.
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Franki, J. P.	M.
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German, W. H.	M.
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Grange, R. B.	M.
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Grimshaw, J. W.	M.
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Hodgson, G. H.	A.M.
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Hoskins, G. J.	M.
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Houghton, T. H.	M.
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Howarth, A. M.	M.
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Howe, H. B.	M.
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Jenkinson, E. H.	M.
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Kidd, H.	M.
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Lucy, E. E.	M.
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Massey, G.	M.
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McCredie, A. L.	M.
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McRitchie, G. S.	M.
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Nisbet, W. H.	M.
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Noakes, W. M.	M.
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Noyes, E.	A.
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Price, A.	M.
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Scorer, A. B.	A.M.
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Scott, E. K.	M.
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Selfe, N.	M.
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Shaw, P. C. W.	M.
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Sinclair, R.	M.
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Thow, W.	M.
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Toder, J.	A.M.
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Turner, W. W.	A.M.
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QUEENSLAND—

Brisbane—	
Goldsmith, A. J.	M.

Holroyde, G. E.	A.M.
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Cairns—

Shepherd, R. L.	M.
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Charters Towers—

Carthew-Wright, W.	G.
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Nelson—

Davids, S. W.	M.
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S. AUSTRALIA—**Adelaide—**

Ayers, F. G.	A.M.
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Nichols, H. F.	A.M.
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Semaphore—

Swan, H. A.	G.
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TASMANIA—**Hobart—**

Ross, E. S.	A.M.
-------------	------

Launceston—

Deeble, W. R.	M.
---------------	----

VICTORIA—**Ballarat—**

Deakin, B. W.	M.
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Kerr, A. E. C.	M.
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Castlemaine—

Clarkson, E. J.	M.
-----------------	----

Melbourne—

Conyers, W.	M.
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Cook, G. N.	G.
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Fowler, T. W.	M.
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Griffiths, J. A.	M.
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Griffiths, W. J.	M.
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Kay, B.	A.M.
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Mais, H. C.	M.
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Mate, W. E.	A.M.
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Pearce, T.	M.
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Quirk, W. M. H.	M.
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Roberts, J.	A.M.
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Schloesser, R.	A.M.
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Singapore (cont.)—

Trowell, W. J.	M.
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Webster, W.	M.
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Melbourne (cont.)—

Smith, M. S.	A.M.
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Swinburne, G.	M.
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Swinburne, W.	M.
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W. AUSTRALIA—**Bunbury—**

Hemingway, A.	A.M.
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Fremantle—

Williams, H. W.	M.
-----------------	----

Kalgoorlie—

Crocker, C. E.	A.M.
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Katanning—

Piesse, F. T. R.	A.M.
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Perth—

Akroyd-Stuart, H.	M.

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EUROPE.

AUSTRIA—		Brunswick—		Oporto—	
Vienna—		Münzel, M.	M.	Edwards, J.	A.M.
Blakey, R. C.	M.			Ennor, C. J.	M.
Hardy, J. G.	M.				
BELGIUM—		Dresden—		RUSSIA—	
Brussels—		Ratcliffe, J. T.	M.	Baku—	
Bailly, P.	M.			Dabell, A. F.	A.M.
Bollinekx, A.	M.	Röper, A.	M.	Rappoport, F. G.	A.M.
Coppée, E.	M.			Willans, C. T.	A.M.
Li Fo Ki	G.	Neubrandenburgh—	G.		
Mathot, R.	M.	Collitt, S.		Elizabethgrad—	
Oakes, Sir R. L.	M.			Davis, F. M.	A.M.
Selby, M.	M.	Strassburg, Alsace—	M.		
		Berthiez, C.		Kharkov—	
Gand—				Read, H. G.	M.
Heynssens, J.	G.	GIBRALTAR—			
		Andlau, W. F. von	M.	Moscow—	
		Cornish, Lieut. H. J.	M.	Boardman, J.	M.
		Marian, A. E.	A.M.	Chandler, F. A.	A.M.
		Settle, J. R.	A.M.	Charnock, H. H.	A.M.
Liège—		GREECE—		Dixon, W. F.	M.
Macgregor, A. J.	G.	Piraeus—		Hopper, A.	M.
Timmermans, F.	M.	Mastrantonis, P.	M.	Hopper, J. R.	M.
FINLAND—		HOLLAND—		Jarvis, R.	M.
Abo—		Flushing—		Johnson, J. W.	M.
Eager, J. E.	M.	Martin, W. H.	M.	Urmston, P.	M.
FRANCE—		Van Raalte, J.	M.	Schlüsselburg—	
Chatou—				Gibson, E. M.	A.M.
D'Albert, C.	M.	RAAMSDONK—		Sereda—	
Maubeuge—		Reed, E. C.	A.	Charnock, C. J.	A.M.
Bloomfield, C. W.	G.	ROTTERDAM—		St. Petersburg—	
Neuilly-sur-Seine—		Wilton, B.	M.	Berry, H.	A.M.
Marié, G.	M.	ITALY—		Buckley, V. E.	M.
Ryan, J.	A.M.	Ligure—		Goldarbeiter, J. L.	A.M.
Paris—		Ball, E. B.	A.M.	McCallum, E. A.	A.M.
Bonvillain, P.	M.	MILAN—		SPAIN—	
Bourdon, F. E.	M.	Nathan, A.	M.	Alcaracejos—	
Hanning, W.	A.M.	Rümmele, A.	G.	West, W. P.	A.M.
Hutchins, W. J.	M.	TURIN—		Almeria—	
Launay, G. de	G.	Rieter, E. H.	A.M.	Hamilton, A., Jun.	A.M.
Menier, H.	M.	MALTA—		Astillero—	
Molinos, L.	M.	Anderson, A. L.	A.M.	Beirne, S. A.	A.M.
Rateau, Prof. A.	M.	Hart, W. H.	A.M.	Kensington, J. C.	A.M.
Ronceray, E.	M.	Kerr, W. S.	A.M.	Bilbao—	
Roux, P. L.	A.M.	Pogson, A. L.	M.	Layton, H. E.	M.
Sauvage, Prof. E.	M.	NORWAY—		Cartagena—	
Taylor, M.	G.	Guldsmedvik—		Browne, R. H.	A.M.
Pau—		Bremner, D. A.	M.	Cordoba—	
Cardew, S. R.	A.M.	Hundholmen—		Taylor, A.	M.
Sévan—		Spear, C. O.	G.	Huelva—	
Le Clair, L. J.	A.M.	PORTUGAL—		Bennie, P.	M.
Toulon—		Lisbon—		Connell, W. P.	A.M.
Berrier-Fontaine, M. M.		Camargo, J. A. da R.	A.M.	Crossman, J. E. T.	A.M.
GERMANY—		Fish, S. R.	M.	Madrid—	
Berlin—				Aramburu y Silva, F. M.	
Grove, D.	M.			Cowlick, F. G.	A.M.

Madrid (cont.)—		SWITZERLAND—		Zürich—	
Phillips, E. G.	A.M.	Basle—		Edwards, C. C.	G.
Presser, E. C. A.	M.	Goodbehere, E.	A.M.	Kapteyn, A.	M.
SWEDEN—		Montreux—		Stodola, A.	M.
Eskilstuna—		Hawkins, E. F.	G.		
Betts, S.	M.			TURKEY—	
Stockholm—		Neuchatel—		Constantinople—	
Wadham, R.	A.M.	Walker, R. H.	A.M.	Ahmed Pasha, Vice-Admiral	M.
Sundsvall—		Winterthur—		Khalil, Lieut. L.	A.M.
Dombrain, H. A. A.	A.M.	Sulzer, J.	M.	Sirri, Lt. Comm.	M.

THE INSTITUTION OF MECHANICAL ENGINEERS.

Memorandum of Association.

AUGUST 1878.

1st. The name of the Association is "THE INSTITUTION OF MECHANICAL ENGINEERS."

2nd. The Registered Office of the Association will be situate in England.

3rd. The objects for which the Association is established are:—

(a.) To promote the science and practice of Mechanical Engineering and all branches of mechanical construction, and to give an impulse to inventions likely to be useful to the Members of the Institution and to the community at large.

(b.) To enable Mechanical Engineers to meet and to correspond, and to facilitate the interchange of ideas respecting improvements in the various branches of mechanical science, and the publication and communication of information on such subjects.

(c.) To acquire and dispose of property for the purposes aforesaid.

(d.) To do all other things incidental or conducive to the attainment of the above objects or any of them.

4th. The income and property of the Association, from whatever source derived, shall be applied solely towards the promotion of the objects of the Association as set forth in this Memorandum of Association, and no portion thereof shall be paid or transferred directly or indirectly, by way of dividend, bonus, or otherwise howsoever, by way of profit to the persons who at any time are or have been Members of the Association, or to any of them, or to any person claiming through any of them : Provided that nothing herein contained shall prevent the payment in good faith of remuneration to any officers or servants of the Association, or to any Member of the Association, or other person, in return for any services rendered to the Association, or prevent the giving of privileges to the Members of the Association in attending the meetings of the Association, or prevent the borrowing of money (under such powers as the Association and the Council thereof may possess) from any Member of the Association, at a rate of interest not greater than five per cent. per annum.

5th. The fourth paragraph of this Memorandum is a condition on which a licence is granted by the Board of Trade to the Association in pursuance of Section 23 of the Companies Act 1867. For the purpose of preventing any evasion of the terms of the said fourth paragraph, the Board of Trade may from time to time, on the application of any Member of the Association, impose further conditions, which shall be duly observed by the Association.

6th. If the Association act in contravention of the fourth paragraph of this Memorandum, or of any such further conditions, the liability of every Member of the Council shall be unlimited ; and the liability of every Member of the Association who has received any such dividend, bonus, or other profit as aforesaid, shall likewise be unlimited.

7th. Every Member of the Association undertakes to contribute to the Assets of the Association in the event of the same being wound up during the time that he is a Member, or within one

year afterwards, for payment of the debts and liabilities of the Association contracted before the time at which he ceases to be a Member, and of the costs, charges, and expenses for winding up the same, and for the adjustment of the rights of the contributories amongst themselves, such amount as may be required not exceeding Five Shillings, or in case of his liability becoming unlimited such other amount as may be required in pursuance of the last preceding paragraph of this Memorandum.

8th. If upon the winding up or dissolution of the Association there remains, after the satisfaction of all its debts and liabilities, any property whatsoever, the same shall not be paid to or distributed among the Members of the Association, but shall be given or transferred to some other Institution or Institutions having objects similar to the objects of the Association, to be determined by the Members of the Association at or before the time of dissolution ; or in default thereof, by such Judge of the High Court of Justice as may have or acquire jurisdiction in the matter.

Articles of Association.

FEBRUARY 1893.

(*Article 23 revised March 1902.*)

INTRODUCTION.

Whereas an Association called "The Institution of Mechanical Engineers" existed from 1847 to 1878 for objects similar to the objects expressed in the Memorandum of Association of the Association (hereinafter called "the Institution") to which these Articles apply;

And whereas the Institution was formed in 1878 for furthering and extending the objects of the former Institution, by a registered Association, under the Companies Acts 1862 and 1867;

And whereas terms used in these Articles are intended to have the same respective meanings as they have when used in those Acts, and words implying the singular number are intended to include the plural number, and *vice versa*;

NOW THEREFORE IT IS HEREBY AGREED as follows:—

CONSTITUTION.

1. For the purpose of registration the number of members of the Institution is unlimited.

MEMBERS, ASSOCIATE MEMBERS, GRADUATES, ASSOCIATES, AND HONORARY LIFE MEMBERS.

2. The present Members of the Institution, and such other persons as shall be admitted in accordance with these Articles, and none others, shall be Members of the Institution, and be entered on the register as such.

3. Any person may become a Member of the Institution who shall be qualified and elected as hereinafter mentioned, and shall agree to become such Member, and shall pay the entrance fee and first subscription accordingly.

4. The qualification of Members shall be prescribed by the By-laws from time to time in force, as provided by the Articles.

5. The election of Members shall be conducted as prescribed by the By-laws from time to time in force, as provided by the Articles.

6. In addition to the persons already admitted as Graduates, Associates, and Honorary Life Members respectively, the Institution may admit such persons as may be qualified and elected in that behalf as Associate Members, Graduates, Associates, and Honorary Life Members respectively of the Institution, and may confer upon them such privileges as shall be prescribed by the By-laws from time to time in force, as provided by the Articles: provided that no Associate Member, Graduate, Associate, or Honorary Life Member shall be deemed to be a Member within the meaning of the Articles.

7. The qualification and mode of election of Associate Members, Graduates, Associates, and Honorary Life Members shall be prescribed by the By-laws from time to time in force, as provided by the Articles.

8. The rights and privileges of every Member, Associate Member, Graduate, Associate, or Honorary Life Member shall be personal to himself, and shall not be transferable or transmissible by his own act or by operation of law.

ENTRANCE FEES AND SUBSCRIPTIONS.

9. The Entrance Fees and Subscriptions of Members, Associate Members, Graduates, and Associates shall be prescribed by the By-laws from time to time in force, as provided by the Articles.

EXPULSION.

10. If any Member, Associate Member, Graduate, or Associate shall leave his subscription in arrear for two years, and shall fail to pay such arrears within three months after a written application has been sent to him by the Secretary, his name may be struck off the register by the Council at any time afterwards, and he shall thereupon cease to have any rights as a Member, Associate Member, Graduate, or Associate, but he shall nevertheless continue liable to pay the arrears of subscription due at the time of his name being so struck off: provided always that this regulation shall not be construed to compel the Council to remove any name, if they shall be satisfied the same ought to be retained.

11. The Council may refuse to continue to receive the subscriptions of any person who shall have wilfully acted in contravention of the regulations of the Institution, or who shall in the opinion of the Council have been guilty of such conduct as shall have rendered him unfit to continue to belong to the Institution; and may remove his name from the register, and he shall thereupon cease to be a Member, Associate Member, Graduate, or Associate (as the case may be) of the Institution.

GENERAL MEETINGS.

12. The General Meetings shall consist of the Ordinary Meetings, the Annual General Meeting, and of Special Meetings as hereinafter defined.

13. The Annual General Meeting shall take place in London in one of the first four months of every year. The Ordinary Meetings shall take place at such times and places as the Council shall determine.

14. A Special Meeting may be convened at any time by the Council, and shall be convened by them whenever a requisition signed by twenty Members or Associate Members of the Institution,

specifying the object of the Meeting, is left with the Secretary. If for fourteen days after the delivery of such requisition a Meeting be not convened in accordance therewith, the Requisitionists or and twenty Members or Associate Members of the Institution may convene a Special Meeting in accordance with the requisition. All Special Meetings shall be held in London.

15. Seven clear days' notice of every Meeting, specifying generally the nature of any special business to be transacted at any Meeting, shall be given to every person on the register of the Institution, except as provided by Article 35, and no other special business shall be transacted at such Meeting; but the non-receipt of such notice shall not invalidate the proceedings of such Meeting. No notice of the business to be transacted (other than such ballot lists as may be requisite in case of elections) shall be required in the absence of special business.

16. Special business shall include all business for transaction at a Special Meeting, and all business for transaction at every other Meeting, with the exception of the reading and confirmation of the Minutes of the previous Meeting, the election of Members, Associate Members, Graduates, and Associates, and the reading and discussion of communications as prescribed by the By-laws, or by any regulations of the Council made in accordance with the By-laws.

PROCEEDINGS AT GENERAL MEETINGS.

17. Twenty Members or Associate Members shall constitute a quorum for the purpose of a Meeting other than a Special Meeting. Thirty Members or Associate Members shall constitute a quorum for the purpose of a Special Meeting.

18. If within thirty minutes after the time fixed for holding the Meeting a quorum is not present, the Meeting shall be dissolved, and all matters which might, if a quorum had been present, have been done at a Meeting (other than a Special Meeting) so dissolved, may forthwith be done on behalf of the Meeting by the Council.

19. The President shall be Chairman at every Meeting, and in his absence one of the Vice-Presidents; and in the absence of all Vice-Presidents a Member of Council shall take the chair; and if no Member of Council be present and willing to take the chair, the Meeting shall elect a Chairman.

20. The decision of a General Meeting shall be ascertained by show of hands, unless, after the show of hands, a poll is forthwith demanded; and by a poll, when a poll is thus demanded. The manner of taking a show of hands or a poll shall be in the discretion of the Chairman; and an entry in the Minutes, signed by the Chairman, shall be sufficient evidence of the decision of the General Meeting. Each Member and Associate Member shall have one vote and no more. In case of equality of votes the Chairman shall have a second or casting vote: provided that this Article shall not interfere with the provisions of the By-laws as to election by ballot.

21. The acceptance or rejection of votes by the Chairman shall be conclusive for the purpose of the decision of the matter in respect of which the votes are tendered: provided that the Chairman may review his decision at the same Meeting, if any error be then pointed out to him.

BY-LAWS.

22. The By-laws set forth in the schedule to these Articles, and such altered and additional By-laws as shall be substituted or added as hereinafter mentioned, shall regulate all matters by the Articles left to be prescribed by the By-laws, and all matters which consistently with the Articles shall be made the subject of By-laws. Alterations in, and additions to, the By-laws, may be made only by resolution of the Members and Associate Members at an Annual General Meeting, after notice of the proposed alteration or addition has been announced at the previous Ordinary Meeting, and not otherwise.

COUNCIL.

23. The Council of the Institution shall be chosen from the Members only, and shall consist of one President, six Vice-Presidents, twenty-one ordinary Members of Council, and of the Past-Presidents. The President, two Vice-Presidents, and seven Members of Council (other than Past-Presidents), shall retire at each Annual General Meeting, but shall be eligible for re-election. The Vice-Presidents and Members of Council to retire each year shall, unless the Council agree otherwise among themselves, be chosen from those who have been longest in office, and in cases of equal seniority shall be determined by ballot.

24. The election of a President, Vice-Presidents, and Members of Council, to supply the place of those retiring at the Annual General Meeting, shall be conducted in such manner as shall be prescribed by the By-laws from time to time in force, as provided by the Articles.

25. The Council may supply any casual vacancy in the Council (including any casual vacancy in the office of President) which shall occur between one Annual General Meeting and another; and the President, Vice-Presidents, or Members of Council so appointed by the Council shall retire at the succeeding Annual General Meeting. Vacancies not filled up at any such Meeting shall be deemed to be casual vacancies within the meaning of this Article.

OFFICERS.

26. The Treasurer, Secretary, and other employés of the Institution shall be appointed and removed in the manner prescribed by the By-laws from time to time in force, as provided by the Articles. Subject to the express provisions of the By-laws, the officers and servants of the Institution shall be appointed and removed by the Council.

27. The powers and duties of the officers of the Institution shall, subject to any express provision in the By-laws, be determined by the Council.

POWERS AND PROCEDURE OF COUNCIL.

28. The Council may regulate their own procedure, and delegate any of their powers and discretions to any one or more of their body, and may determine their own quorum: if no other number is prescribed, three members of Council shall form a quorum.

29. The Council shall manage the property, proceedings, and affairs of the Institution, in accordance with the By-laws from time to time in force.

30. The Treasurer may, with the consent of the Council, invest in the name of the Institution any moneys not immediately required for the purposes of the Institution in or upon any of the following investments (that is to say):—

- (a) The Public Funds, or Government Stocks of the United Kingdom, or of any Foreign or Colonial Government guaranteed by the Government of the United Kingdom.
- (b) Real or Leasehold Securities, or in the purchase of real or leasehold properties in Great Britain or Ireland.
- (c) Debentures, Debenture Stock, or Guaranteed or Preference Stock, of any Company incorporated by special Act of Parliament, the ordinary Shareholders whereof shall at the time of such investment be in actual receipt of half-yearly or yearly dividends.
- (d) Stocks, Shares, Debentures, or Debenture Stock of any Railway, Canal, or other Company, the undertaking whereof is leased to any Railway Company at a fixed or fixed minimum rent.

(e) Stocks, Shares, or Debentures of any East Indian Railway or other Company, which shall receive a contribution from His Majesty's East Indian Government of a fixed annual percentage on their capital, or be guaranteed a fixed annual dividend by the same Government.

(f) The security of rates levied by any corporate body empowered to borrow money on the security of rates, where such borrowing has been duly authorised by Act of Parliament.

31. The Council may, with the authority of a resolution of the Members and Associate Members in General Meeting, borrow moneys for the purposes of the Institution on the security of the property of the Institution, or otherwise at their discretion.

32. No act done by the Council, whether *ultra vires* or not, which shall receive the express or implied sanction of the Members and Associate Members in General Meeting, shall be afterwards impeached by any member of the Institution on any ground whatsoever, but shall be deemed to be an act of the Institution.

NOTICES.

33. A notice may be served by the Council upon any Member, Associate Member, Graduate, Associate, or Honorary Life Member, either personally or by sending it through the post in a prepaid letter addressed to him at his registered place of abode.

34. Any notice, if served by post, shall be deemed to have been served at the time when the letter containing the same would be delivered in the ordinary course of the post; and in proving such service it shall be sufficient to prove that the letter containing the notice was properly addressed and put into the post office.

35. No Member, Associate Member, Graduate, Associate, or Honorary Life Member, not having a registered address within the United Kingdom, shall be entitled to any notice; and all proceedings may be had and taken without notice to such member, in the same manner as if he had had due notice.

By-Laws.

(*Last Revision, February 1907.*)

MEMBERS.

1. No Candidate shall be elected a Member, or be transferred into the class of Members, unless he is at least 30 years of age, and has produced evidence, to the satisfaction of the Council, either

I. That he—

- (a) Has received a good general and scientific education ;
- (b) Has been regularly trained as a Mechanical Engineer ; and
- (c) Has been engaged for a sufficient period in an important position of independent responsibility in the direction of engineering work :

Or II. That he—

- (d) Has received a thorough scientific education ;
- (e) Has had sufficient practical experience as a Mechanical Engineer ; and
- (f) Has for a sufficient period held an important position of independent responsibility in connection with engineering work :

Or III. That he—

- (g) Has attained to a position of such eminence in the profession, or in the direction of engineering work, as to qualify him, in the opinion of the Council, for the distinction of Membership.

ASSOCIATE MEMBERS.

2. No Candidate shall be elected an Associate Member, unless he is at least 25 years of age, and has produced evidence, to the satisfaction of the Council, either

I. That he—

- (a) Has received a good general education;
- (b) Has been regularly trained as a Mechanical Engineer; and
- (c) Has had subsequent employment for at least one year in a responsible position in the direction or design of engineering work, and is actually so engaged at the time of his application for Election:

Or II. That he—

- (d) Has received a good general and scientific education;
- (e) Has had sufficient practical experience as a Mechanical Engineer; and
- (f) Has had subsequent employment for at least one year in a responsible position in the direction or design of engineering work, and is actually so engaged at the time of his application for Election.

GRADUATES.

3. Graduates shall be persons not under 18 years of age, who shall satisfy the Council that they have received a good general education, and have received, or are receiving, regular training as Mechanical Engineers, and that they have received, or intend to obtain, sufficient practical and scientific training to fit them for employment in responsible positions as Mechanical Engineers. No person shall be elected a Graduate after the age of 25 years.

Graduates may not continue as such if they cease to follow the profession of Engineering, nor in any case beyond the age of 28 years.

ASSOCIATES.

4. Associates shall be persons of at least 30 years of age, who not being Mechanical Engineers by profession, yet by reason of their attainments in science, or in any of the arts allied to, or having interests in common with, Engineering, may be deemed by the Council to be worthy of the distinction of Associateship.

TRANSFERENCE.

5. At the discretion of the Council properly qualified Associate Members may on application be transferred to the class of Members, and properly qualified Associates may be transferred to the classes of Associate Members or Members.

HONORARY LIFE MEMBERS.

6. The Council shall have the power to nominate as Honorary Life Members persons of eminent scientific attainments.

PRIVILEGES OF MEMBERSHIP.

7. The Members, Associate Members, Graduates, Associates, and Honorary Life Members shall have notice of, and the privilege to attend, all Meetings; but Members and Associate Members only shall be entitled to vote thereat.

8. The abbreviated distinctive Titles for indicating the connection with the Institution, of Members, Associate Members, Graduates, Associates, or Honorary Life Members thereof, shall be the following:—for Members, M. I. Mech. E.; for Associate Members, A. M. I. Mech. E.; for Graduates, G. I. Mech. E.; for Associates, A. I. Mech. E.; for Honorary Life Members, Hon. M. I. Mech. E.

9. Subject to such regulations as the Council may from time to time prescribe, any Member, Associate Member, or Associate may upon application to the Secretary obtain a Certificate of his membership or other connection with the Institution. Every such certificate shall remain the property of, and shall on demand be returned to, the Institution.

ENTRANCE FEES AND SUBSCRIPTIONS.

10. Each Member shall pay an Annual Subscription of £3, and on election an Entrance Fee of £2.

11. Each Associate Member shall pay an Annual Subscription of £2 10s., and on election an Entrance Fee of £1. If afterwards transferred by the Council to the class of Members, he shall pay on transference 10s. additional Subscription for the current year, and £1 additional Entrance Fee.

12. Each Graduate shall pay an Annual Subscription of £1 10s., but no Entrance Fee.

13. Each Associate shall pay an Annual Subscription of £2 10s., and on election an Entrance Fee of £1. If afterwards transferred by the Council to the class of Associate Members, he shall pay on transference no additional Subscription or Entrance Fee. If transferred direct to the class of Members, he shall pay on transference 10s. additional Subscription for the current year, and £1 additional Entrance Fee.

14. All Subscriptions shall be payable in advance, and shall become due on the 1st day of January in each year; and the first Subscription of each Member, Associate Member, Graduate, and Associate, shall date from the 1st day of January in the year of his election, and shall, except in the cases provided for by By-law 15, entitle him to the Proceedings published during that year.

15. In the case of each Member, Associate Member, Graduate, or Associate, elected in the last three months of any year, the first Subscription shall cover both the year of Election and the succeeding year, but shall only entitle the person elected to the Proceedings published after his Election.

16. Any Member, Associate Member, or Associate, whose Subscription is not in arrear, may at any time compound for his Subscription for the current and all future years by the payment of Fifty Pounds, if paid in any one of the first five years of his membership. If paid subsequently, the sum of Fifty Pounds shall be reduced by One Pound per annum for every year of membership after five years. All compositions shall be deemed to be capital moneys of the Institution.

17. No Proceedings or Ballot Lists or Certificates shall be sent to Members, Associate Members, Graduates, or Associates, who are in arrear with their Subscriptions more than twelve months, and whose Subscriptions have not been remitted by the Council as hereinafter provided. (By-law 18.)

18. The Council may at their discretion reduce or remit the Annual Subscription, or the arrears of Annual Subscription, of any Member or Associate Member who shall have been a subscribing member of the Institution for twenty years, and shall have become unable to continue the Annual Subscription provided by these By-laws.

ELECTION OF MEMBERS, ASSOCIATE MEMBERS, GRADUATES, AND ASSOCIATES.

19. Every recommendation for Election shall be in accordance with Form A or Form B in the Appendix, and shall be forwarded to the Secretary who shall lay it before the Council. The Form A must be signed by the Candidate and by not less than five Members or Associate Members, and the Form B by the Candidate and by not less than three Members or Associate Members.

20. All Elections shall take place by Ballot of the Members and Associate Members, four-fifths of the votes given being necessary for Election.

21. Every recommendation for Election shall be considered by the Council. The Ballot Lists shall contain only such names in each class as are approved by the Council for Election. Each List of approved Candidates shall be signed by the Chairman of the Council Meeting authorising its issue. The Ballot Lists shall be classified, and shall specify the name, occupation and address of each Candidate, and the names of his Proposer and Seconder; they shall be sent to Members and Associate Members only, and shall be opened by, or in the presence of, a Committee appointed for that purpose by the Council. The Committee shall report the result of the Ballot to the Council.

22. The result of each Ballot shall be declared at the next General Meeting.

23. When a Candidate is elected, the Secretary shall give him notice thereof according to Forms D or E in the Appendix; but his name shall not be added to the register of the Institution until he shall have paid his Entrance Fee and first Annual Subscription.

24. In case of non-Election, no mention thereof shall be made in the Minutes, nor any notice given to the unsuccessful Candidate.

25. An Associate Member desirous of being transferred to the class of Members, or an Associate to the class of Associate Members, or to that of Members, shall forward to the Secretary a recommendation, according to Form C in the Appendix, signed by not less than five Members or Associate Members, which shall be laid before the Council. On their approval being given, the Secretary shall notify the same to the Candidate according to Form F; but his name shall not be added to the list of Members or Associate Members until he shall have paid the additional Entrance Fee (if any), and the additional Subscription (if any) for the current year.

ELECTION OF PRESIDENT, VICE-PRESIDENTS, AND MEMBERS OF COUNCIL.

26. At the General Meeting preceding the Annual General Meeting, the Council are to present a list of Members nominated by them. Any Member or Associate Member shall then be entitled to add to the list of Candidates. A Ballot List of the proposed names shall be forwarded to each Member and Associate Member. The Ballot Lists shall be opened only on the day of the Annual General Meeting, in the presence of the Council, by a Committee appointed for that purpose.

APPOINTMENT AND DUTIES OF OFFICERS.

27. The Treasurer shall be a Banker, and shall hold the uninvested funds of the Institution, except the moneys in the hands of the Secretary for current expenses. He shall be appointed, on the recommendation of the Council, by the Members and Associate Members at a General or Special Meeting, and shall hold office at the pleasure of the Council.

28. The Secretary of the Institution shall be appointed, on the recommendation of the Council, as and when a vacancy occurs, by the Members and Associate Members at a General or Special Meeting, and shall be removable by the Council upon six months' notice from any day. The Secretary shall give the same notice. The Secretary shall devote the whole of his time to the work of the Institution, and shall not engage in any other business or profession.

29. It shall be the duty of the Secretary, under the direction of the Council, to conduct the correspondence of the Institution; to attend all meetings of the Institution, and of the Council, and of Committees; to take minutes of the proceedings of such meetings; to read the minutes of the preceding meetings, and all communications

that he may be ordered to read; to superintend the publication of such Papers as the Council may direct; to have the charge of the Institution building and library; to direct the collection of the Subscriptions, and the preparation of the account of expenditure of the funds; and to present all accounts to the Council for inspection and approval. He shall also engage (subject to the approval of the Council), and be responsible for, all persons employed under him, and set them their portions of work and duties. He shall conduct the ordinary business of the Institution, in accordance with the Articles and By-laws and the directions of the President and Council; and shall refer to the President in any matters of difficulty or importance, requiring immediate decision.

30. The Auditor shall be a Fellow of the Institute of Chartered Accountants, and shall be appointed annually by the Members and Associate Members at a General or a Special Meeting, at a remuneration to be then fixed by the Members and Associate Members. The yearly Accounts, after being duly audited, shall be presented by the Council to the Annual General Meeting.

MEETINGS.

31. Every Paper shall be submitted to the Council for approval, and after approval shall be read at a General Meeting, or shall be printed in the Proceedings without having been read at a General Meeting, as may be directed by the Council.

32. The proceedings at the General Meetings shall, as far as practicable, conform to the following order:—

1st. The Chair shall be taken at such hour as the Council may direct.

2nd. The Minutes of the previous Meeting shall be read by the Secretary, and, after being approved as correct, shall be signed by the Chairman.

3rd. The result of the examination of the Ballot Lists shall be declared to the Meeting, and the names of the Members, Associate Members, Graduates, and Associates elected shall be announced. Any Transferences made by the Council since the last Meeting shall also be announced.

4th. Papers approved by the Council shall be read by the Secretary, or by the Author, as may be directed by the Council.

33. Each Member or Associate Member shall have the privilege of introducing one friend to any of the General Meetings; but, during such portion of any Meeting as may be devoted to any business connected with the management of the Institution, visitors shall be requested by the Chairman to withdraw, if any Member or Associate Member asks that this shall be done.

34. Every Member, Associate Member, Graduate, Associate, or Visitor, shall write his name and residence in a book to be kept for the purpose, on entering each Meeting.

35. The discussion upon any Paper may be adjourned at the discretion of the Chairman.

36. Seven clear days' notice at least shall be given of every meeting of the Council. Such notice shall specify generally the business to be transacted by the meeting. No business involving the expenditure of the funds of the Institution (except by way of payment of current salaries and accounts) shall be transacted at any Council meeting unless specified in the notice convening the meeting.

MISCELLANEOUS.

37. The President shall *ex officio* be a member of all Committees of the Council.

38. All Communications to the Institution, unless declined, shall be the property of the Institution, and shall be published only by the authority of the Council.

39. None of the property of the Institution shall be taken out of the premises of the Institution without the consent of the Council.

40. All Donations to the Institution shall be enumerated in the Annual Report of the Council presented to the Annual General Meeting.

41. Advance copies of Papers to be read at the Meetings may be sent to members on application to the Secretary.

42. All Books, Drawings, Communications, etc., shall be accessible to the members of the Institution at all reasonable times.

43. Graduates and Associates elected prior to 1893 shall, notwithstanding anything in these By-laws contained, retain the privileges set out in the By-laws as revised in January 1890.

APPENDIX.

FORM A.

(PROPOSAL AS MEMBER, ASSOCIATE MEMBER, OR ASSOCIATE.)

Name in full

Designation or Occupation

Business Address

being years of age, and desirous of admission into The Institution of Mechanical Engineers, we, the undersigned proposer and seconder from our *personal knowledge*, and (at least) three other supporters, propose and recommend him as a proper person to belong to the Institution.

Witness our hands, this day of

Five Members' or Associate Members' Signatures are required.

Proposed from *personal knowledge* by

Seconded from *personal knowledge* by

Supported from *personal knowledge* by

Supported from *trustworthy information* by

Those who sign this Form are desired to append their initials to the portions of the statement of which they have personal knowledge.

ENGAGEMENT.

I, the undersigned, do hereby agree that, in the event of my election as Member, Associate Member, or Associate, I will be governed by the regulations of The Institution of Mechanical Engineers as they are now formed or as they may hereafter be altered; that I will advance the objects of the Institution as far as shall be in my power, and will attend the Meetings thereof as often as I conveniently can: provided that, whenever I shall signify in writing to the Secretary that I am desirous of withdrawing from the Institution, I shall (after the payment of any arrears which may be due by me at that period) be free from this obligation.

Signature of Candidate

* Initials of
Supporters.

Date and Place of Birth.....

General Education (with dates).....

Technical Education (with dates, subjects taken, and successes gained).....

Apprenticeship (with dates, and particulars of training received).....

Subsequent Career (with dates, and positions held).....

Brief Details of most important Mechanical Engineering work for which Candidate has been personally responsible.....

Membership in other Societies.....

Signature of Candidate

* Members supporting this proposal are requested to place their initials against those particulars of the Candidate's career of which they have personal knowledge.

FORM B.

(PROPOSAL AS GRADUATE.)

Name in full.....*Designation or Occupation*.....*Business Address*.....*Address for communications*.....

being..... years of age, and desirous of becoming a Graduate of The Institution of Mechanical Engineers, we, the undersigned proposer and seconder from our *personal knowledge*, and the other signer or signers from trustworthy information, propose and recommend him as a proper person to become a Graduate thereof.

Witness our hands, this..... day of.....

Three Members' or Associate Members' Signatures are required.

Proposed from *personal knowledge* by.....

Seconded from *personal knowledge* by.....

Supported by.....

Date and Place of Birth.....

General Education (with dates).....

Technical Education (with dates, subjects taken, and successes gained).....

Apprenticeship (with dates, and particulars of training received).....

Subsequent Career (with dates, and positions held).....

Signature of Candidate.....

I, the undersigned, do hereby agree that in the event of my election I will be governed during my Graduateship by the regulations of The Institution of Mechanical Engineers, as they are now formed or as they may hereafter be altered: provided that, whenever I shall signify in writing to the Secretary that I am desirous of withdrawing from the Institution, I shall (after the payment of any arrears which may be due by me at that period) be free from this obligation.

Signature of Candidate.....

FORM C.

(PROPOSAL FOR TRANSFERENCE.)

Name in full*Designation or Occupation**Business Address*

being.....years of age, and desirous of being transferred into the class of.....of The Institution of Mechanical Engineers, we, the undersigned, from our *personal knowledge*, recommend him as a proper person to be so transferred by the Council.

Witness our hands, this.....day of.....

Five Members' or Associate Members' Signatures are required, from personal knowledge.

(Members of the Council do not sign this form.)

Proposed by.....

Seconded by.....

Those who sign this Form are desired to append their initials to the portions of the statement of which they have personal knowledge.

* Initials of
Supporters.

Qualifications (since joining the Institution).....

Signature of Candidate.....

* Members supporting this proposal are requested to place their initials against those particulars of the Candidate's career of which they have personal knowledge.

FORM D.

Sir,—I have the pleasure to inform you that on the.....you were elected a.....of The Institution of Mechanical Engineers. For the ratification of your election in conformity with the rules, it is requisite that your Entrance Fee and first Annual Subscription be paid, the amounts of which are.....and.....respectively. If these be not received within two months from the present date, the Election will become void.

I am, Sir, Your obedient servant,

Secretary.

FORM E.

Sir,—I have the pleasure to inform you that on the..... you were elected a **Graduate** of The Institution of Mechanical Engineers. For the ratification of your election in conformity with the rules, it is requisite that your first Annual Subscription be paid, the amount of which is £1 10s. 0d. If this be not received within two months from the present date, the Election will become void.

I am, Sir, Your obedient servant,
Secretary.

FORM F.

Sir,—I have the pleasure to inform you that the Council have approved of your being transferred to the class of..... of The Institution of Mechanical Engineers. For the ratification of your Transference in conformity with the rules, it is requisite that your additional Entrance Fee and additional Annual Subscription for the current year be paid, the amounts of which are..... and respectively. If these be not received within two months from the present date, the Transference will become void.

I am, Sir, Your obedient servant,
Secretary.



